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**Vaughan's**  
**Gardening Illustrated**

**1933**

**NEW MARIGOLD**  
**GUINEA GOLD**  
Pkt., 25c; 3 pkts. 65c

CHICAGO-10-12 W. RANDOLPH ST.  
NEW YORK-47-49 BARCLAY ST.





MARLIACEA  
Each.

CHROMATELLA  
\$1.50

MARLIACEA ALBIDA  
Each, \$1.50

PAUL HARIOT  
Each, \$3.00

No. 2  
COVER  
COLLECTION  
Hardy Water Lilies  
One each of the three hardy  
water lilies illustrated above,  
Paul Hariot, Marliacea Albida  
and Marliacea Chromatella,  
three water hyacinths, and  
three oxygenating plants,  
(9 plants, value \$7.00)  
sent postpaid 300 miles  
for \$4.00

No. 2A  
COVER  
COLLECTION  
Tender Water Lilies  
One each of the three tender  
water lilies illustrated below,  
August Koch and Mrs. Geo.  
H. Pring, (day-blooming)  
and Frank Trelease, (night-  
blooming) value \$7.00, will  
be sent postpaid 300  
miles for \$5.00

AUGUST KOCH  
Each \$2.50

MRS. GEO. H.  
PRING  
Each \$3.00

FRANK TRELEASE  
Each, \$1.50



# Greatest Gladiolus Value You Have Ever Seen

Milwaukee, Wis.,  
Sept. 16, 1932.

Dear Sir:

The rainbow collection of Gladioli that I received last spring certainly proved a success. I had the most beautiful gladioli in my neighborhood.

All the neighbors came over and paid me a number of compliments on my bloom, and I sure was well pleased and satisfied.

Thanking you, I remain.

E. F. Klein,  
1229 So. 38th St.

Muskegon, Mich.,  
Oct. 4, 1932.

Vaughan's Seed Store,  
Chicago, Ill.

Gentlemen: Last spring I ordered a collection of Gladioli bulbs (10 varieties) and I was very well pleased with the plants. They all proved true to color as advertised and they attracted considerable attention as I had them growing in a conspicuous place. I entered a few of them in our first "Glad show" of Muskegon.

Yours truly,  
L. H. DeWitte,  
500 Sanford St.,

Oct. 10, 1932.

Gentlemen:

The blooms from the hundred gladiolus for which I paid \$2.00 were simply gorgeous, many over five inches across. I expect to have a much better garden next season, for now I have almost 160 large flowering bulbs and many small ones from this planting. Thanking you very much for these wonderful bulbs, I am,

Yours sincerely,  
Miss Myrtle Ross,  
Terre Haute, Indiana.

Sept. 25, 1932.

Dear Sirs:

This spring when I received the hundred gladiolus from you I planted them in rich, loose soil where they received an abundance of moisture. The flowers which rewarded me were of very beautiful shades and the largest I have ever seen, and all my neighbors commented upon the pleasing picture they made.

Mrs. Carl Story,  
Memphis, Tenn.

Ten Each of Ten Prize Winning Varieties

Selected by Edward Goldenstein, Manager of Our Bulb Department

Each Variety Separately Bagged and Labeled

**\$2**

Prepaid  
600 Miles

## THE 1933 RAINBOW GARDEN OF GLADIOLI

**BETTY NUTHALL.** An outstanding prize winner in 1932. Four feet tall, with giant flowers, coral with pale orange throat and light feathering of carmine.

**\*DR. F. E. BENNETT.** One of the most consistent ribbon winners among the scarlets. Scarlet throat stippled with ruby and white. Tall straight, many flowers open at once, vigorous grower.

**\*GOLDEN MEASURE.** Very large, dark golden yellow, always a prize winner in its color.

**\*KALAMAZOO.** The outstanding violet-purple variety, creamy white throat; giant flowers.

**\*MINUET.** Finest of all in the color known as orchid, a soft lavender, of the greatest delicacy, yet a strong tall, vigorous spike with large florets, well placed and faced.

**\*MRS. LEON DOUGLAS.** Huge, bright salmon-pink flowers inclined to flake. Often 5 feet tall and probably the largest of all gladioli.

**MRS. VON KONYNENBURG.** Violet, a near approach to blue. A robust grower, tall and strong, with six to seven flowers open at a time. Most vigorous of its color.

**\*PFITZER'S TRIUMPH.** Finest of Pfitzer's introductions a flaming scarlet with cherry blotch in throat, giant amaryllis-like blossoms. Unrivalled in its color and unquestionably one of the finest of all varieties.

**\*W. H. PHIPPS.** Most popular of all gladioli. A blue ribbon winner, usually opening ten perfectly placed flowers together, making a plume of fascinating color. La France-pink, lighter toward the center. Lower petals very faintly striped and flaked. Flowers enormous.

**\*VAUGHAN'S WHITE.** This splendid white is the best we have seen. The bulblets germinate well. It is a thrifty and vigorous grower with a medium stalk and many well-placed flowers open at once. Flower is a good, clear white with no throat markings.

SO GREAT was the response last spring to the amazing value offered in our Rainbow Garden of Gladioli, that Edward Goldenstein, manager of our bulb department, set out to surpass it for the spring of 1933.

"Sales of our Rainbow Garden Collection doubled, in spite of the business depression," said Mr. Goldenstein, in summing up the results of his season. "Not only that, but purchasers of our Rainbow Collection were delighted."

(If you doubt this, read the testimonials in the column to the left.)

"We have set a pace that we must live up to," Mr. Goldenstein continued. "For 1933 our Rainbow Garden collections must include still better varieties. I am going to comb the country to find the greatest possible values in this year of amazing bargains, and use the buying power of Vaughan's Seed Store to make available to all our customers the finest collection of Gladioli which can be bought at the price of 100 bulbs for \$2."

After looking over the list printed above we think you will agree he has done it. Few who are familiar with these wonderful varieties ever thought they would see the day when they could be bought at 100 for \$2. It seems only a short time ago that more than one of them was considered a buy at \$2 a bulb. We have no doubt that with business revival, prices will rise and purchasers of our 1933 collection will find they have made an investment that will pay good returns.

The bulbs which we send you, as always in the Rainbow Garden of Gladioli, are not of the largest size, but are of flowering size—the size in fact which we use on our own farms with which to grow exhibition flowers. Plant them a week earlier than you would plant first size bulbs, for they take that much longer to mature.

\*Illustrated in color on back cover.



# Special Combination Offers Vegetable and Flower Seeds

## CASH PREPAID ORDERS ONLY

Although our seeds cost us as much as in former years and are of the same high quality, we feel that in consideration of the present economic conditions we should make concessions to our customers.

For cash remittances for vegetable and flower seeds in packets, including ounces and fractions of ounces, but not including seeds by weight larger than ounces, you may select packets according to the following schedule:

**For \$2, packets of value totaling \$2.50**

**For \$3, packets of value totaling \$3.75**

**For \$4, packets of value totaling \$5.00**

**For \$5, packets of value totaling \$6.25**

**For \$6, packets of value totaling \$7.50**

**For \$7, packets of value totaling \$8.75**

**For \$8, packets of value totaling \$10.00**

Only vegetable and flower seeds in packets, including ounces and fractions of ounces, may be included in the above combinations. No other merchandise, no other reduced price collections, and no seeds by weight of more than an ounce may be included. Combination offers apply only to orders accompanied by cash in full, in the sum of \$2 or more. If your order is less than \$2, combine it with a neighbor's order to obtain the combination price. The combined order must be shipped in one parcel, to one address.

**CAUTION:** We would caution customers against cheap seeds and remind them that while the amount expended on seeds is one of the smallest items of expense, yet upon the quality of the seeds the whole value of the crop depends. The quality of seeds cannot be determined by inspection; it is known only after the crop is grown. Do not jeopardize a whole season's labor for the sake of a small saving.

## Century of Progress Collections

OUR flower seed department, which has been directed from its beginning by Mr. Carl Cropp, vice president, takes pride in the completeness of the selection afforded our customers by the more than 2,000 separate varieties listed in this catalogue and also in keeping constantly abreast of progress in flower improvements throughout the world. For 1933, which will be world's fair year in Chicago, the improved annual and perennial flowers listed below are especially recommended:

### Special Offer A 1933

1 pkt. each of the 6 Annuals  
listed on this page for..... **\$1.00**

### Special Offer P 1933

1 pkt. each of the 6 Perennials  
listed on this page for..... **\$1.00**  
Net no discount

## Annuals

915 **ASTER Wilt-Resistant Strain Mixed.** A mixture of all these varieties we offer. Pkt., 35c.

1051 **BALSAM Bush Mixed.** Flowers appear as double roses on the top of the plant, colors include white, red and rose. Pkt., 25c.

2945 **IPOMOEA Double Rose Marie.** Early blooming. Flowers double and semi-double, deep rose shade. Pkt., 25c.

3171 **MARIGOLD Double Dwarf French Monarch Strain.** Very compact type of large double flowers, comprising a wide range of fine colors. Pkt., 25c.

3735 **NASTURTIUM Double Golden Gleam.** One of the most attractive novelties. Flowers double and semi-double, large rich golden yellow. Pkt., 15c.

3792 **PANSY Maple Leaf Giants Mixed.** Flowers of giant size, 4 to 5 in., across, fine substance, good shape and a wide color range. Even the leaves are quite distinct from other sorts, being much larger and heavier. Pkt., 50c.

## Perennials

7494 **COREOPSIS Mayfield Giants.** It produces a taller and more vigorous plant than the type, with longer and firmer stems and larger individual blooms. Pkt., 25c.

7806 **EUPHORBIA Polychroma.** Leaves oblong and dark green, floral leaves different shades of yellow at flowering time. Flowers bright yellow, changing to rosy bronze. Pkt., 25c.

7812 **GAILLARDIA Burgundy.** Shining wine red flowers about 2½ inches in diameter, on long, stiff stems. Blooms first year from seed, if sown early. Pkt., 25c.

7867 **GYSOPHILA Pacifica.** The myriads of tiny pink blossoms appear on slender spreading panicles. Seedlings attain a height of 4 ft. the second year and form dense bushes. Pkt., 25c.

7977 **HOLLYHOCK Double Palling Belle.** A delightful shade of silvery pink, blossoms particularly large and double with a row of guard petals. Pkt., 25c.

8291 **POPPY Nudicaule Fakenham Hybrids.** Large flowered Iceland Poppies in the newest hybrids. Pkt., 25c.



**S 33**

**601 West Jackson Blvd., CHICAGO**

**Write very plainly**

## State

**Street, P. O. Box**

Express or Freight Office { If different }  
from P. O. }

(Parcel Post, Express, Freight or Boat)

(SEND NO CASH OR  
CURRENCY UNLESS  
REGISTERED)

**Draft or Check \$** .....

Postage Stamps\$.....

Cash - - - \$ .....

**Make Money Orders or Checks  
Payable to Vaughan's Seed Store**

**More order blanks will be sent upon request. Always write letters on a separate sheet from your order.**

See Page 108 for our SPECIAL PREPAID OFFER,  
also Table of PARCEL POST RATES  
to different zones.

We do not warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to the above conditions we make this sale at the moderate prices we charge.

VAUGHAN'S SEED STORE (Incorporated).

**N. B. Examine seeds closely, test if desired, write us if anything is wrong and we will adjust.**

[illegible]

**Please do not substitute without first notifying me.....**

(Please mark a cross (X) in one of the above spaces.)

(Order Flower Seeds by numbers only)

Carried Forward.

lbs.

59

If by mail, and PREPAID OFFER on page 108 does not apply, add postage for your Zone.

(OVER)







« « Novelties and Specialties of 1933—Annual Flowers » »

**G**ARDENING is a fascinating occupation which can be enjoyed the year around in some parts of our country. Locally, unless we have a greenhouse, we are obliged to crowd our active operations into a six month period. The balance of the year we can engage in the interesting game called parlor gardening, and it is to this game we invite you to participate when you receive this book.

All you need is an easy chair, good light and pencil and paper, and you can enjoy one of the most intriguing games in which both of us will be winners. We, to get your order, you, to get our seed. This year we have added four pages to our Color Section and segregated the seeds for Greenhouse sowing.

## Radiant New Snapdragons

### ANTIRRHINUM ☐

The following are the new varieties, especially fine for forcing under glass:

- 362 **Afterglow.** A beautiful bronze. Pkt., \$1.00.  
 374 **Ceylon Court Yellow.** Robust growth, foliage strong, healthy and vigorous. Beautiful canary-yellow. Spikes 10 to 14 inches; flowers closely set; one of the earliest and most productive, strong, wiry stems. Pkt., 50c.  
 375 **Cheviot Maid.** The earliest pink winter-blooming "snap." Pkt., 50c.  
 376 **Cheviot Maid Supreme.** A distinct improvement on the preceding variety. Deeper in color and longer stem. Pkt., \$1.50.  
 377A **Cincinnati (Witterstaetter).** A most attractive fragrant light rose pink, good growth, long stemmed and flowers well placed on stems. Pkt., \$2.00.  
 387 **Geneva Pink.** A delightful glistening rose-pink borne on long dense spikes and supported on long stiff stems, well furnished with rather dark green foliage. Pkt., 50c.  
 395A **Lucky Strike.** Best pure white, grows three to four feet with splendid full spike of flowers does not drop or shatter. Pkt., \$2.00.  
 407A **Sunburst.** Same shade as rose of same name. Intense orange copper and golden yellow. Pkt., 50c.  
 407C **Sun-Tan.** Rosy shade of tan with tinge of yellow on lip. Pkt., \$1.50.  
 407B **Winter Helen.** Lovely salmon pink, early. Pkt., \$1.50.  
 408A **Rose Queen (Witterstaetter).** Dark pink. Pkt., \$1.50.  
 408 **White Rock.** A good forcing white of medium height. Pkt., 50c.

### New English Snapdragons "Majestic"—Half Dwarf Sorts

A new type of Snaps with flowers of the Maximum sorts and in height of the Semi-tall sorts.

- 315A **Avalanche.** Masses of snowy white flowers. Pkt., 25c.  
 316 **Eldorado.** Deep golden yellow, the richest tint to date in this family. Pkt., 25c.  
 317 **Golden Dawn.** Golden buff overlaid salmon. Pkt., 25c.  
 318 **Orange King.** Coloring is an exquisite blend of shades, rich terra cotta above, the lip golden yellow merging to pure deep orange at the base. Pkt., 25c.  
 319 **Red Chief.** Color is a rich deep scarlet. Pkt., 25c.  
 323 **Rose Beauty.** The color is a charming rose pink self; and makes a most brilliant show both individually and when the plants are massed together in beds. Pkt., 25c.



ANTIRRHINUM MAJESTIC

### NEW ENGLISH SNAPDRAGONS "MAJESTIC"—Continued

- 320 **Rose Marie.** Light salmon rose with gold center, a most charming and delightful shade, probably the best of all. Pkt., 25c.  
 321 **Sunset.** Color delightful combination of bright terra cotta above, shading gradually downward into a rosy salmon. Pkt., 25c.  
 322 **Twilight.** Delicate apricot with yellow and salmon shading. Pkt., 25c.  
 324 **Majestic Mixed.** Pkt., 25c.

### Majus Nanum

- 384 **Flame.** Exquisite brilliant orange-scarlet self. Pkt., 25c.

### Rock Hybrids

- 439 **Pink Gem.** Small compact bushes with attractive flowers of a charming pink shade, suitable for rock gardens. The flowers appear early. Pkt., 15c.

### AGERATUM ☐

- 198 **Blue Cap.** 6 in. The flowers are much larger than those of Little Blue Star and of a deeper and richer color. It also surpasses Blue Ball in dwarfness and compactness of habit and the regular form of its inflorescence. The foliage is small and the plants have the appearance of miniature domes, so that it is quite ideal for edgings to flower borders. Pkt., 25c.

### ARCTOTIS HYBRIDS ☐

- 451 This is one of the most striking of the newer introductions from South Africa. The showy daisy-like flowers, 2½-3 inches across, come in a variety of colors—orange, terra cotta, red, yellow, carmine and coppery rose. It is excellent as a border plant. 8-12 inches in height. It is best treated as a half hardy annual and thrives in the driest positions of the garden. Pkt., 25c.

### MARIGOLD GUINEA GOLD ☐

Illustrated on Front Cover

- 3123 This is a distinct type of graceful pyramidal habit, growing 2 to 2½ feet high, and producing 30 to 40 flowers, 2 to 2½ inches across, of a brilliant shade of orange flushed with gold. Unlike the ordinary African Marigold, this new variety produces no single flowers, but practically 100 per cent, semi-double. The characteristic Marigold odor is less pungent. In order to obtain the best results we recommend early sowing. An outstanding novelty. See illustration on front cover. Pkt., 25c; 3 pkts., for 65c.

MARIGOLD Guinea Gold

Vaughan's Seed Store . . . Established 1876

Copyright, 1933 by Vaughan's Seed Store, Chicago, Ill.



## « « Novelties and Specialties of 1933—Annual Flowers » »

Asters of New Types and  
Wilt Resistant Strains

- 606 **Lemon Ball.** Most distinct yellow aster, a light canary yellow, quilled and so double that it has the appearance of a perfect hemisphere; very lasting when cut, and the plants remain in bloom for a long time; upright growing. 20 in. Pkt., 25c.
- 646 **Scarlet King.** The most beautiful and distinct of all red Asters, more brilliant even than Heart of France; blooms profusely and lasts long when cut. 20 in. Pkt., 50c.
- 941 **Surprise "Salmongold."** An entirely new color and new form. When starting to flower the blossom is a pure salmon-yellow color. The fully developed blossom shows a radiating salmon-pink shade. The single blossom is  $2\frac{3}{4}$  to  $3\frac{1}{2}$  inches in diameter, of a noble, circular form. The blossoms resemble to a certain degree the Peony flowered type with the long stems of the American Beauty. Each plant carries on the average of 40 to 50 blooms and the cut flowers remain fresh in water from two to three weeks. An outstanding variety in our Michigan Farm trial grounds. Pkt., 35c.

## Giant Mammoth Peony Flowered

The flowers are immense, very double, borne on long, stout stems, free from laterals. Splendid for cutting as they keep longer than any other variety.

- 931 **Azure Fairy.** Clear azure blue. Pkt., 25c.
- 935 **Maiden's Blush.** Delicate flesh. Pkt., 25c.
- 936 **Peachblossom.** Pkt., 25c.
- 934 **Swan's Down.** Pure White. Pkt., 25c.
- 938 **Mixed.** Pkt., 25c.

## Imbricated Pompon

A variety that is very popular among the Chicago growers. Flowers of medium size produced in great abundance, often as many as 20 flowers to a plant. 20 inches.

- 587 **White.** 589 **Fiery Scarlet.** 591 **Violet.**
- 588 **Rose.** 590 **Light Blue.** 592 **Mixed.**

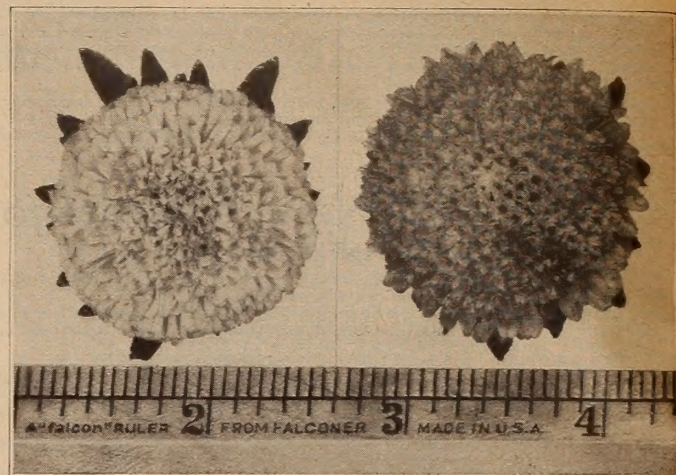
Each of the above. Pkt., 25c. Any 3 pkts. for 65c.

## Lilliput

A small flowered, intensely double variety. The plants are of ideal habit. Height about 18 in. The flowers are of neat and symmetrical form about two weeks later than Imbricated Pompon.

- 824 **White.** 825 **Rose.** 826 **Dark Blue.** 827 **Mixed.**

Each of above. Pkt., 25c. Any 3 pkts. for 65c.



## ASTER Imbricated Pompon

## Aster Large-Flowered Single White Swan

- 983 The flowers, which resemble a large and refined form of Chrysanthemum maximum, measure 4 to  $4\frac{1}{2}$  inches across, having a center with ray petals of a much more solid character than other Single Asters. The plant is a strong grower, throwing up long flower stems and attains a height of about 2 feet. Pkt., 25c.

## Wilt Resistant Varieties of Asters

Aster growers have been troubled with pests of recent years. This family has been widely attacked by the Fusarium Wilt, which condition has been overcome in growing the Wilt Resistant Strains which, although grown in infected soil, proved immune from the disease.

Aster Yellows is also an enemy. This has been found to be transferred to the plants by tiny insects called leaf hoppers. The only means to overcome this is to grow the plants under a cheesecloth cover.

891 **Ball's White.**

## GIANT BRANCHING

- CREGO**
- 892 **White.**
- 893 **Pink.**
- 894 **Deep Rose.**
- 895 **Crimson.**
- 896 **Violet.**
- 897 **Purple.**

- 901 **White.**
- 902 **Shell Pink.**
- 903 **Deep Rose.**
- 904 **Crimson.**
- 905 **Azure Blue.**
- 906 **Purple.**

**EARLY BEAUTY**907 **HEART OF FRANCE.**

- 898 **White.**
- 899 **Crimson.**
- 900 **Lavender.**

- ROYAL**
- 911 **Rose Pink.**
- 912 **Azure Blue.**
- 913 **Purple.**

Each of the above. Pkt., 25c. Any 3 pkts. for 65c.

## BEGONIA CARMEN □

- 1077 Bright rose flowers carried in clusters well above the deep bronze foliage. Extremely free flowering. Growth habit like Luminosa but the contrast of flowers and foliage make it an outstanding pot plant for specimen or group work. Pkt., 50c.

## BROWALLIA SAPPHIRE □

- 1161 The Browallias have long been recognized as valuable plants for greenhouse and conservatory decoration. This new variety is a wonderfully compact little plant, not more than 9 or 10 inches high. Being extremely floriferous, sometimes bearing over a hundred dark blue flowers with a white eye, suggesting a large flowered Lobelia, it is admirably suited for indoor decoration, also, if treated as a half hardy annual it may be used for bedding during Summer months. Pkt., 50c.

## CALENDULA □

- 1194 **Ball Gold** has the same long stem and extra large, uniformly double flowers that are so well known in our Ball Orange. Pkt., 25c.
- 1201 **Radio Golden Beam.** New, quilled variety with golden yellow flowers. The Radio offered on page 44 is the orange color of this variety. Pkt., 25c.
- 1200 **Sensation.** Long stems, very double brilliant, orange flowers with a crimson or scarlet sheen. The blooms are flat in shape. Pkt., 15c.

## CLARKIA LA FRANCE

- 1750 An outstanding color of most delightful pale salmon-pink, its beauty heightened by the effect obtained by the contrast of the paler edge in the petals. It is large-flowered and very double. One of the best of this section. Pkt., 25c.

## CLARKIA ENCHANTRESS

- 1757 The need of a really good salmon-pink in Clarkias, has long been apparent. Orange, scarlet, and the other colors have their appeal for bedding purposes, but for cutting a good salmon-pink was badly needed. Let it not be thought, however, that Enchantress does not look well in the bed; on the contrary every one who has seen it has expressed admiration for it. The beautiful flowers are of a larger size than is usual in Clarkias and splendidly double. Pkt., 25c.

## CLARKIA ALBATROSS

- 1735 A splendid very double pure white form of this popular garden plant. It is free from the objectionable spreading habit of most Clarkias being of decidedly compact growth. I consider it a valuable addition to our series of garden annuals. Pkt., 25c.



BEAUTY ASTER



## « « Novelties and Specialties of 1933—Annual Flowers » »



CANDYTUFT Miniature Little Gem

## CANDYTUFT □

1261 **Miniature Gem** (Hyacinth Flowered Type). The result of years of selection has produced a dainty, miniature hyacinth flowered Candytuft about three and a half inches high, each plant producing four to six spikes of pure white flowers. A perfect Miniature Gem for the rock garden. Pkt., 15c.

## ANNUAL CANTERBURY BELLS □

1305 Many years of careful selection have at last given us an Annual Canterbury Bell which blooms from seed in less than six months. It should now be possible to have this beautiful flower in bloom at almost any time of the year. The plant grows from two to two and a half feet tall, each plant having from six to eight spikes of blooms. We offer this in **mixture**, only, containing the following colors: dark blue, light blue, pink, rose and white. Pkt., 35c.

## CELOSIA □

1476 **Lilliput Fire Feather**. The plant attains the height of 12 in., consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs. Fine for bedding and for pots. Pkt., 25c.

1477 **Lilliput Golden Feather**. Same as above only color is a dark golden. Pkt., 25c.

**Miracle Cockscomb**. Named because of its origin and distinctive beauty. Found as a sport among plumed celosias and developed and fixed to type by many years selection, it is the most wonderful cockscomb ever seen. Grows 2-3 ft., high without branches terminated with remarkable cockscombs of enormous size, some round, others cockscomb shape, with surface like velvet plush, others of waved or corrugated appearance. At its best September until frost.

1451 **Golden Pink**. Pkt., 25c.

1452 **Red**. Pkt., 25c.

1453 **Yellow**. Pkt., 25c.

## CHRYSANTHEMUM ELDORADO □

1637 Although not a novelty, this is a welcome addition to the Annual Chrysanthemums. The flowers are quite three inches in diameter, of bright-canary yellow, many shades deeper than the existing varieties, and their beauty is enhanced by a large, dark mahogany colored disc. It is a first-class flower for cutting, and will last at least ten days in really good condition. Pkt., 25c.



COSMOS Early Express

## COLEUS □

1863 **Large-Leaved Dwarf Mixture**. The Coleus are grown for brilliancy of their foliage rather than for beauty of flowers which are insignificant. This variety is dwarf in growth which makes it a good pot plant. The coloring is very attractive with many shades and tints of yellow, copper, red, white and green. Pkt., 25c.

## COLLINSIA SALMON BEAUTY □

1867 Collinsia is one of the brightest hardy annuals grown. This new variety is of the purest salmon-rose tone, which, when grown in masses, makes a most delightful and effective decoration, worthy of a place wherever annuals are grown. Pkt., 25c.

## COSMOS □

**Early Express**. An extra early Cosmos flowering in from 45 to 50 days from the time seed is planted. Plant grows about 2½ to 3 ft. high and is covered with medium sized flowers.

1957 **Crimson**. Pkt., 15c.

1956 **Pink**. Pkt., 15c.

1958 **White**. Pkt., 15c.

1959 **Mixed**. Pkt., 15c.

Nasturtium Golden Gleam inter-planted with Petunia Royal Purple makes a most effective and colorful group. An edging of Alyssum Vaughan's Little Gem will put a finishing touch.

## Dwarf Semi-Double Dahlias

## DAHLIA □

2086 **Unwin's Dwarf Hybrids**. 18 in. A valuable acquisition in annual bedding and cut flowers. Sown in March, these hybrids bloom by the end of June. They produce an abundance of graceful, semi-double flowers, and show all the fine shades that are known in Dahlias. Pkt., 25c.

2081 **Selecta, Extra Double Giant-Flowered**. A most beautiful mixture of the very best new double Dahlias, with flowers on stiff, erect stems. Pkt. (50 seeds), 50c.

To those interested in prize winning varieties we recommend these mixtures from a California hybridizer:

2083 **Salbach Choice Mixed**. 4 ft. Pkt. (100 seeds), \$1.00.

2084 **Salbach Selected Mixed**. 4 ft. Pkt. (100 seeds), \$2.50.

## DIMORPHOTHECA □

2328 **Ringens, Double**. A double form of the beautiful single Dimorphotheca with a blue circle around the eye. The crest or double part is grey, not blue. This is rather unique, and the crest of petals in the center keeps the flower open all day. The single type closes at midday. Pkt., 25c.

## ESCHOLTZIA □

2390 **Sunlight**. 1 ft. Bright lemon yellow self. The Escholtzias are the hardiest of all annuals. While charming in the border, they are probably more delightful as cut flowers. Cut in the bud and allowed to open indoors, they afford a never ending source of delight as they develop. Pkt., 25c.

## GODETIA SYBIL SHERWOOD □

2581 A new color in Annuals. Award of Merit, Royal Horticultural Society. The color is a most glorious shade of salmon-pink, blended with orange, which is softened by the delicate white border. The plant which is of robust growth of about 20 inches, is equally suited for borders, pots or cut flowers. Experience has proved that the flowers will last from 10 to 14 days and that the buds will develop fully. Pkt., 35c.

## HIBISCUS □

2837 **Trionum**. 2 ft. An annual of easy culture blooming four months from seed. The flowers up to four inches in diameter are ivory-like, slightly flushed with violet shade and have a dark violet, nearly black center which bears the golden yellow anthers in a very attractive manner. Pkt., 25c.

## IPOMOEA ROSE MARIE □

2945 New double and semi-double free flowering, deep rose pink flower. We believe this will be as popular as the Ipomoea Heavenly Blue, when it becomes better known. Pkt., 25c.

## LOBELIA MRS. CLIBRAN □

3057 Beautiful for bedding having flowers of rich deep blue with clear, large white eye, densely produced on dwarf, compact plants. Pkt., 25c.



ANNUAL CANTERBURY BELLS



« « Novelties and Specialties of 1933—Annual Flowers » »

## New Colors in Larkspurs

### GIANT IMPERIAL ☐

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants. This group originated with the introduction of Exquisite Pink and Exquisite Rose. Now we can offer the following complete color range.

- 2166 **Blue Spire.** Deep Oxford Blue.
- 2152 **Carmine King.** Deep carmine rose.
- 2153 **Daintiness.** Delicate lavender.
- 2126 **Exquisite Pink Improved.** Soft pink shaded salmon.
- 2169 **Exquisite Rose.** Rose pink.
- 2154 **Gloria.** Deep rose.
- 2167 **Lilac Spire.** Lilac.
- 2136 **Miss California.** Deep pink shaded salmon.
- 2155 **Peachblossom.** Light pink.
- 2168 **White Spire.** Dazzling pure white.
- 2159 **Giant Imperial Mixed.** The above and others. Pkt., 25c. Any 3 pkts. for 65c.



LARKSPUR Giant Imperial

### MARIGOLD ☐

- 3178 **Dwarf French Single, Fire Cross.** Undoubtedly the best plant for edging that we have ever listed. In habit it is very similar to the popular variety, Legion of Honor, but much more effective and attractive. The ground color is a deep orange-yellow, while each of the eight petals carries a large crimson-maroon blotch. In our opinion Fire Cross is definitely one of the finest introductions, in annuals, of recent years. Pkt., 10c.
- 3171 **Monarch Strain of Dwarf French Double Mixed.** New, symmetrical compact habit, comprising a wide range of fine colors including orange, bronze and mahogany. The color combinations are very glowing, giving a rich and pleasing effect to the group or border. Pkt., 25c.
- 3134 **Alldouble Orange African.** Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. Pkt., 25c.



MARIGOLD Double Dwarf French Monarch Strain

### MARIGOLD—Continued

- 3133 **Alldouble Lemon.** Yellow, same as preceding only the color is light yellow, about 90% double. Pkt., 25c.
- 3123 **Guinea Gold.** See front cover for illustration and first page for description and price.

### MYOSOTIS BLUE EYES (Forget-Me-Not)

- 3321 The plant is robust growing, and of fine constitution, very floriferous. The color is a telling bright blue, and, when seen in the mass, is particularly effective. Pkt., 15c.

### NICOTIANA CRIMSON BEDDER ☐

- 3393 Dwarf pyramidal plant about 15 inches high admirably suited for bedding purposes and also extremely useful for pots in greenhouse. The flowers are of a rich, deep crimson, freely produced and make a striking effect. Pkt., 25c.

## Late Pansy Introductions

Pansies are one of our specialties and we are constantly on the trail of new and unusual varieties. We take pride in knowing we are the introducers of the Swiss Giants and the Maple Leaf Giant Pansies, both outstanding varieties. We want to make all Gardeners Pansy conscious, and to this end we offer the following new introductions.

On page 57, in our color section, will be found additional sorts in our general list.

- 3894 **Vaughan's Super Swiss Mixture.** We have made a special mixture from three of our growers stock. Many of the flowers are five blotched. All the vivid colors of the type are represented in their enormous size and wavy and crinkly flowers. Pkt., 75c.

- 3895 **Dwarf Swiss Mixture.** For those who desire a dwarfier plant than the original type, we have had our grower make this selection. The colors are the same as in the original strain but the plant itself is compact, especially suited to bedding. Pkt. (250 seeds), \$1.00.



PANSY Vaughan's Giant Maple Leaf

- 3896 **Swiss Berna.** Dark violet blue. Pkt. (250 seeds), 35c.
- 3897 **Swiss Luna.** Soft sulphur yellow self, round substantial flower with frilled edge. This is a lovely variety. Pkt. (200 seeds), 50c.
- 3792 **Maple Leaf Giant Mixture.** A distinct variety we introduced two years ago. It is quite different to other types. The leaves are of giant size and the flowers are 4 to 5 in., across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. Pkt. (200 seeds), 50c; 1,000 seeds, \$2.50.

- 3794 **Vaughan's "Super" Maple Leaf.** This strain is even finer than the above, with flowers of unbelievable size and texture; larger than in any other strain, while the plants are of compact growth and the extra large foliage is a rich, dark green. Pkt. (200 seeds), \$1.00; 1,000 seeds, \$4.00.

- 3795 **Oregon Giants.** A strain of giant ruffled Pansies made by an American fancier. Seed from the introducer. Pkt., 50c.
- 3862 **Early Flowering Blue Boy.** This is a new color in the Ice or Early Flowering type. A clear, pure, silver-lilac. The single blossoms are medium size. Pkt., 25c.
- 3776 **Giant Delft Blue.** A delightful shade of a translucent blue of good size and substance. Pkt., 35c.
- 3829 **Rembrandt.** Compact habit of plant, long stemmed, five blotched, vivid bronze-orange of the Bugnot type. Pkt., 25c.



## « « Novelties and Specialties of 1933—Annual Flowers » »

## Improved Petunias of Dwarf and Giant Types

3999 **Cockatoo.** The plants attain a height of 8 in., are round and compact. The flowers are a velvety deep violet-purple with irregular sized white spots and stars which give to the plant and bed an extraordinary gay and vivid appearance. Varies. Pkt., 25c.

4067 **White Cloud.** Fine compact bushes only 12 in. high, richly covered with pure white blooms 3 to 3½ in., in diameter. Pkt., 50c.

4048 **Queen of the Market.** The color of this magnificent Petunia is a deep carmine red with a scarlet hue. The blooms are medium size, 3½ in., fine shape and slightly waved. They grow profusely in slender stems on freely branching plants 2 ft., high. Pkt., 50c.

4047 **Fringed Purple Beauty.** A large flower beautifully frilled of a rich and royal purple. This is the best blue Petunia. Pkt. (250 seeds), 50c.

4063 **Giants of California Camilla.** A beautiful, rather ruffled Petunia of a lovely rose-pink color; rich crimson veining forms a wide halo toward the center and runs together to form a deep purple-crimson throat. The flowers are 5 to 6 inches across. Pkt. (200 seeds), 50c.

4066 **Dwarf California Giants Mixed.** The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the superbissima type. Very fine range of color. Pkt. (200 seeds), 50c.

3948 **Double Dwarf Large-Flowering Fringed Mixed.** Flowers nicely frilled, very large and quite double in a fine range of colors on splendid compact plants. Pkt. (120 seeds), 50c.

3947 **Double Royal Purple.** Very fine new double variety. Pkt. (120 seeds), 50c.

3945 **Double Shepherd's Pride.** True salmon pink of peony flowered type, flowers 4 inches in diameter and will produce 50% double flowers. This is a marvelous new color in Petunias and one of the prettiest yet produced. Very compact grower and a profuse bloomer. Pkt. (120 seeds), 50c.

## POPPY □

4239 **Double Begonia Flowered Mixed.** The flowers resemble the double tuberous rooted begonias in form and contains an assortment of lovely light shades. Pkt., 25c.

4238 **Shirley Double Begonia Flowered Sweet Briar.** One of the most popular colors and also the best seller in Shirley Poppies has been Wild Rose Pink. We now offer this most beautiful color in a Begonia Flowered Double type named Sweet Briar. Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double, resembling a very large double begonia. Pkt., 25c.

## RUDBECKIA □

4582 **My Joy.** A striking addition to the annual Rudbeckia. Flowers very large, some over five inches in diameter, of an orange-yellow with rather small cone. Pkt., 25c.

## SALVIA □

4645 **Splendens Alba.** The flair for white, as displayed in white lamps, white vases and even white leather furniture, leads us naturally to white flowers to complete the picture. White Salvia seems to be a misnomer as one visualizes only the red in this type, but that is wrong. We offer a purple, listed under Indian Prince, in our General List. This one is pure white with a suggestion of pale pink at the tip of the unopened flower. Foliage is fresh, spring green, a very delicate and pleasing combination. Pkt., 35c.

4662 **Splendens Harbinger.** The plants are dwarf and compact in habit and the strong dark foliage is very effective against the vivid hue of the flowers; seeded in February will begin to flower in June and maintain a blaze of color until frost. Pkt., 35c; ½ oz., 75c.

4684 **Farinacea Blue Bedder.** A more compact form than the original type with deeper blue flower. Pkt., 25c.

## SCABIOSA □

4727 **Loveliness.** Scabiosa Loveliness is unsurpassed as a cut flower. It has long, stiff stems and a delightful fragrance, but its crowning beauty is its glorious salmon-rose color. Pkt., 15c.

4742 **Coral Rose.** A very neat and compact plant growing only 8 inches tall. Flowers a delightful shade of deep rose-pink tinged salmon. Pkt., 25c.

## STATICE □

4803 **Sinuata Compacta True Blue.** A dwarf form of the popular variety listed in our General List. Very desirable for winter bouquets. Pkt., 15c.



STOCKS Giant Bismarck Shasta



SCHIZANTHUS Vaughan's Excelsior Hybrids

## SCHIZANTHUS (Poor Man's Orchid) □

4757 **Vaughan's Excelsior Hybrids.** A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Finest yet offered. Pkt., 25c.

4761 **Wisetonensis Compactus.** Charming long and profusely blooming hybrids in many splendid shades on dwarf plants. Pkt., 25c.

STRAWBERRY "RÜGEN" □  
(Everbearing Strawberries from seed.)

4827 Sown early and young plants transplanted to field, will produce the same year a wonderful crop of mid and late season fruit. The plants form no runners and bear great quantities of deep, dark red, berries resembling an immense wild strawberry. The fruit has a delicious, sweet flavor and a pleasing aroma. It is ideal for use fresh or preserved. Pkt. (300 seeds), 25c.

## STOCKS □

**Bismarck Stocks** are well and favorably known. We have offered them for several years in our General List. This season is added two new colors.

4926 **Buttercup.** A new giant yellow Stocks of a richer, deeper tone than Gold Ball. Far better habit, throwing long spires well covered with large blooms. Pkt., 15c.

4936 **Shasta.** A giant, vigorous, robust, glistening white Stocks with a high percentage of doubles. Pkt., 15c.

**Excelsior Column.** An excellent new class producing one stem of 2½ ft., long with a long spike of bloom, thickly set with large, double blooms. The first flowers appear when the plant is about 14 inches high.

4951 **Chamois Rose.**

4952 **Crimson.**

4953 **Dark Blue.**

4954 **Light Blue.**

4955 **Rose.**

4956 **Silvery Lilac.**

4957 **White.**

4958 **Mixed.**

Each of the above. Pkt. (250 seeds), 50c.

4912 **Giant Perfection Hermosa Pink.** A lovely hermosa rose, lighter toward the center, the older flowers turn old rose. Under artificial light it is very beautiful. Comes true from seed with a high percentage of doubles. Pkt., 35c.

STRAWBERRY RÜGEN  
From Seed Sown in Spring



## « « Novelties and Specialties of 1933—Annual Flowers » »



SWEET PEAS Miss Annie Laurie

## Latest Color Selections in Sweet Peas

### Early Flowering Spencer

- 5343 **American Beauty.** A rich crimson-rose on white ground.  
 5344 **Annie Laurie.** Richest tone of pure rose-pink.  
 5355 **Cattleya.** Rosy lilac flowers.  
 5457 **Fragrance.** Large frilled lavender flowers, sweetly fragrant.  
 5458 **Freckles.** Ivory flaked brilliant rose.  
 5462 **Gloria.** Sparkling salmon-rose with shades of amber.  
 5484 **Mrs. Holscher.** Rose-pink.  
 5523 **Satin Rose.** Rose and amber with a touch of salmon.  
 Each of the above. Pkt. (35 seeds), 25c; any 3 pkts. for 65c.

### Late Flowering Spencer

- 4988 **All Bright.** Scarlet-cerise.  
 4991 **Ascot.** Bright pink.  
 5044 **Flamingo.** Cerise-scarlet.  
 5164 **Mrs. A. Searles.** Rich pink merging into a soft orient-red self.  
 5190 **Olympia.** Deep rich purple.  
 Each of the above. Pkt. (50 seeds), 15c; any 3 pkts. for 40c.

## URSINIA □

- 5657 **Anethoides.** The plants form large tufts of leaves, from which spring up long wiry stems, bearing flowers of a rich orange-yellow, adorned by a beautiful ring of deep purple with spots of a darker shade. The blossoms remain open until dark. Pkt., 25c.  
 5657A **Anethoides. New Hybrids Choice Mixed.** Many attractive new shades. Some very pleasing varieties will be found in it. Pkt., 25c.

## VERBENA □

- 5711 **Beauty of Oxford Hybrids.** A beautiful giant hybrid raised from a cross between Verbena Luminosa and Beauty of Oxford. While following closely the color of Beauty of Oxford, it also inherits a touch of salmon-pink from Luminosa which gives a lovely softening effect to the sometimes harsh coloring of Beauty of Oxford. The color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed. They are half as large again as Beauty of Oxford and will easily cover a silver half dollar. The foliage is a dark cress green. Pkt., 50c.

- 5716 **Royal Bouquet Mixed.** 15 to 18 in. A new departure in growth of Verbena Hybrids. Heretofore this family had a roving, creeping habit being used principally as a ground cover. This variety has an upright growth on straight stems making it a good cut-flower sort and a symmetrical bedding plant. The flowers are very large in many charming colors. Pkt., 25c.

- 5735 **Nana Compacta Fireball.** Grows about 6 inches high, literally covered with bright scarlet blooms; excellent for borders or pot plants. Comes true from seed. Pkt., 25c.

## VIOLA CORNUTA □

The Violas are a large family. To them belong the Pansies or Viola Tricolor Maxima, as they are known botanically, and the Viola Odorata or Violet and the Viola Cornuta or Horned Violets which are nearly as large as Pansies and bloom freely and continuously all season if the wilted blooms are kept nipped off.

Viola Bosniaca and Florariense are perennials and will be found in the perennial novelties.

- 5805A **Apricot.** Beautiful rich apricot shade, tinged orange towards the center. Pkt., 25c.  
 5818 **Hansa.** This variety carries its lovely rich violet colored flowers on long stems in the greatest profusion and blooms continuously all season. Pkt., 25c.  
 5817 **Jersey Gem.** Forms a large, compact plant. The flowers are a very pleasing shade of deep violet-blue, with an occasional very slight variation in tint. This bloomed with us profusely during the hottest weather in July and August, fully exposed to the sun. Pkt., 25c.  
 5818 **W. H. Woodgate.** Pure, bright amethyst-violet, large round flowers on long stems. Pkt., 25c.

## New Zinnia Varieties

- 6161 **California Giant Brightness.** A very fine pink, which can be described as a bright, deep rose. Pkt., 15c.  
 6161A **California Giant Daffodil.** Bright canary-yellow, so resembling Narcissus King Alfred in color, the name Daffodil is most appropriate. Pkt., 15c.  
 6149 **California Giant Violet Queen.** The shade of Violet Queen is similar to Purple Prince in the Dahlia Flowered and is the first of the dark shades developed in the Giant Mammoth type. The flowers are immense and true to the California Giant type. Pkt., 15c.  
 6016 **Dahlia Flowered Crown O' Gold** derives its name and distinction from the fact that each petal of the flower is overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip. The effect is a very pleasing two-tone color harmony, especially lovely and scintillating under artificial light. The color range comprises the more popular shades, including old rose, cream, yellow, carmine and burnished red—the latter a new shade in Zinnias. Pkt., 15c.  
**Early Wonder.** The first of a new race of dwarf, early flowering Zinnias, producing masses of Pumila type flowers on long stems.  
 5867 **Fiery Salmon-Cerise Pink.** Pkt., 25c.  
 5868 **Rose Pink.** Pkt., 25c.  
 6097 **Pumila Pinkie (Cut and Come Again).** Medium sized flowers of light rose-pink with long stems especially suitable for cut flowers and for massing in the garden. A continuous succession of blooms are produced throughout the Summer, making the name Cut and Come Again most appropriate. Pkt., 20c; ¼ oz., 45c.  
 6171 **Pastel Shades.** Some object to the intense reds and yellows in Zinnias and desire the pastel or art shades. We have made a mixture of the large flowering varieties, omitting the objectionable sorts, and including the exquisite shades of salmon and rose, lovely lavenders, creams and pure white. Pkt., 25c; ¼ oz., 50c.



VERBENA Beauty of Oxford Hybrids



## « « Novelties and Specialties of 1933—Perennial Flowers » »



ARMERIA Ruby

## ASTER

- 7224A *Amellus Beauty of Ronsdorf*. Large lilac-rose flowers in great profusion; plants two feet high, branching freely; blooms in August-September; one of the best. Pkt., 25c.
- 7223A *Amellus Roseus*. Very like the Beauty of Ronsdorf, except in color, which is a clear rose. Pkt., 25c.
- 7229 *Farreri*. The color is a soft tone of violet-mauve, with large golden orange disk and the flowers are from 2 to 3 inches across. Blooms in June and July. Pkt., 35c.
- 7228A *Subcoeruleus Star of Eisenach*. A new giant flowered race of these popular Spring Asters. Bright lavender-blue Marguerites with yellow centers measuring more than four inches across and in flower end of May and June. Pkt., 25c.
- 7229A *Yunnanensis*. Blooms in early Summer. Flowers brilliant lilac-blue with yellow disk. Pkt., 35c.

## BEAUTY BUSH

- 7236 A free flowering shrub of extreme hardiness, 5 to 7 ft. Flowers are borne in rounded clusters of pure pink color followed by curious cobwebby fruits. Introduced from China by E. H. Wilson. The botanical name is *Kolkwitzia Amabilis*. Pkt. (50 seeds), 25c.

## CAMPANULA

- 7333 *Glomerata Superba*. Beautiful dark violet flowers borne on clusters at the top and all the way up the stalks. A splendid cut flower and border variety for full sun or partial shade. June-July. 20 in. Pkt., 25c.
- 7347 *Persicifolia Grandiflora*. Large Bell. Large blue cup-shaped flowers. 2½ ft. Pkt., 25c.
- 7348 *Persicifolia Grandiflora* Fl. Pl. *Moerheimi*. Flowers large, semi-double, cupshaped. Pure white, 2 ft. June-July. Pkt., 25c.
- 7353 *Persicifolia* Fl. Pl. *Pätzleri*. Same as above but flowers blue. 2½ ft. Pkt., 25c.
- 7371 *Rotundifolia Olympica*. A fine alpine from the Olympian Mountains of the State of Washington. It grows 10 to 12 inches high and blooms freely through the Summer and Fall. The light blue bells are about one inch across and the same in length. The flower stalks carry grass like leaves which grow from a creeping root, which is covered with round heart shaped leaves. Pkt., 35c.

## CARNATION

- 7396 *Grenadin Tausendschon*. This new variety shows a wonderful play of color, from soft rose and salmon-rose to bright pink. Brings a high percentage of double flowers. Pkt., 25c.

CAMPANULA *Rotundifolia Olympica*New Color Strains in  
Columbines

## AQUILEGIA

- 7156 *Long Spurred Crimson Star*. This novelty has flowers of a brilliant, dark crimson which are borne profusely. It is a most attractive subject in the border and comes reasonable true from seed. Pkt., 25c.
- 7158 *Long Spurred Blue Shades*. A finelongs spurred variety in blue shades from light to dark. Pkt., 25c.
- 7159 *Long Spurred Orange and Scarlet Shades*. A very attractive selection and well worth trying. Pkt., 25c.

For complete list including Dobbies Imperial Hybrids and Mrs. Scott Elliott's Strain, see page 67.

## ANEMONE

- 7076 *Coronaria Creagh Castle Strain*. Of Irish origin. It belongs to the St. Brigid variety which is well known. The flowers are extremely large and the range of color exceptional. Pkt., 50c.
- 7078 *Coronaria The Governor*. Double bright scarlet flowers. Pkt., 25c.

## ARMERIA

- 7217 *Ruby*. Dwarf growing perennial with grassy leaves and tufted habit of growth. Heads of rich, deep rose colored flowers appear in May and June. Pkt., 25c.

COREOPSIS *Lanceolata* (Double-Flowering)  
Special Selection

## Taller, Larger Coreopsis

- 7496 *Lanceolata Grandiflora* Fl. Pl. *Special Selection* (Double-Flowered *Coreopsis*). This new double and semi-double form is just as easy to grow as the single and the extra petalage adds a further charm to the flower. Pkt., 15c.
- 7497 *Diadem* (*Grandiflora Auriculata Superba*). Its large single flowers, several tones deeper than the well-known *Grandiflora*, measuring 3 inches across, are borne on long stiff stems. A serrated band of brownish red encircles the golden disc. Pkt., 25c.
- 7494 *Mayfield Giants*. A fine perennial of Australian origin. It produces a taller and more vigorous plant than the type, with longer and firmer stems and larger individual blooms of which the ray petals are broader and form a more perfect corolla. Pkt., 25c.

## CENTAUREA

- 7432 *Pulcherrima*. 15 inches. A very beautiful variety introduced from Armenia. Lovely yellow flowers. Pkt., 25c.

## DELPHINIUM

- 7522 *Chinese Cambridge Blue*. 2 to 3 ft. The Chinese *Delphinium* bloom from seed the first year, if sown early. This variety is a really good light blue, far surpassing *Belladonna* in brilliancy. Pkt., 20c.
- 7536 *Elatum Hybridum Lamartine*. (Almost true from seed.) Dark blue; single. Pkt., 25c.
- 7537 *Elatum Hybridum* Mrs. H. J. Jones. Single Cambridge blue, extra long spikes. Pkt., 25c.
- 7538 *Elatum Hybridum* Rev. E. Lascelles. Deep violet blue, large clear white eye. (Comes almost true from seed.) Pkt., 25c.

## XXX Hybrids Separate Colors

One of our growers who is a specialist in the culture of *Delphinium* seed has been at work on an improved strain of this and has segregated different colors into various shades which we are glad to offer as follows:

- 7556 XXX Light Blue Shades. Pkt., 35c.
- 7557 XXX Dark Blue Shades. Pkt., 35c.
- 7558 XXX Mid-Blue Shades. Pkt., 35c.
- 7559 XXX Pastel Shades. Pkt., 35c.
- 7568 *Double Selecta*. Extra double new hybrids, mixed, producing 90% extra double flowers of large size and excellent color variation. Pkt., 50c.
- For other *Delphiniums*, see page 67.

## DIANTHUS

- 7588 *Deltoides Major Stern's Variety*. A new form with bright crimson flowers and dark foliage, free flowering. Pkt., 35c.
- 7584 *Plumarius Highland Queen*. The most brilliant perennial *Dianthus* in cultivation, bearing in profusion flowers of a lustrous scarlet-vermilion color. It is extremely hardy, of vigorous growth, and ideal for bedding, borders and the rock garden, continuing in bloom from the end of May until November. Pkt., 35c.
- 7585 *Plumarius Highland Rose Hybrids*. These are excellent companions for the preceding. The ground color of the flower is generally a pleasing clear rose with deeper zone of various shades of red. Pkt., 35c.
- 7601 *Plumarius Double Dwarf Rose*. Grass or Clove Pink, dwarf habit. Rose colored flowers. Excellent for Rock Garden. Pkt., 25c.
- 7602 *Plumarius Double Dwarf White*. Same as above except color of flower which is white. Pkt., 25c.

## EDELWEISS

- 7791A *Siberian*. Large flowered form of the *Alpinum* with woolly foliage and flower heads. Easily raised from seed. Requires dry, sunny location. Pkt., 25c.

## EUPHORBIA

- 7806 *Polychroma*. 1 ft. April-May. Leaves oblong and dark green, floral leaves different shades of yellow at flowering time. Flowers bright yellow, changing to rosy bronze, combines beautifully with *Gum Lady Stratheden*. Grows into fine compact bush. Little known but very desirable. Pkt., 25c.



## « « Novelties and Specialties of 1933—Perennial Flowers » »

## New Giant Gypsophila

7867 **Pacifica**. 4 ft. This variety is especially hardy as it withstood the severe frost of Winter and extreme heat and dryness of the Summer. The seedlings form dense bushes and attain a height of 4 ft. the second year. The myriads of tiny pink blossoms appear on the slender spreading panicles. Flowers later than the *Paniculata*. Good for cutting. Pkt., 25c.

## GAILLARDIA

7812 **Burgundy**. Shining wine-red flowers about 2½ in. in diameter, on long stiff stems, from June until Fall. Blooms from seed the same year, if sown early, comes 60% to 70% true from seed. Pkt., 25c.

7816 **Torchlight**. 2 to 2½ ft. It has a neat and compact habit. The flowers are golden yellow with a rich maroon red center and often measure as much as 5 inches across. Pkt., 25c.

## HOLLYHOCK

7991 **Double Triumph**. Grows 4-5 ft. high and is of branching habit all the stems being studded by prettily waved and fringed flowers which appear in an entirely new range of colors and combinations of colors. Pkt., 25c.

7977 **Palling Belle**. A delightful shade of silvery pink, blossoms particularly large and double with quite a row of guarded petals which makes it very handsome and distinct. Pkt., 25c.

## LINARIA

8119A **Canon Want**. A graceful perennial coming perfectly true from seed. Attains a height of 2½ to 3 ft. and the flowers that appear along the flower stems are of a pretty pale pink color. Pkt., 25c.

**Lily**. For complete list of seeds, see Color Section, page 70.

## LINUM

8141 **Flavum Compactum Nanum**. This dwarf flax, a glowing golden yellow with dark green foliage, is especially attractive in rock gardens or as a dwarf group and border perennial. It blooms for months on end and if cut down after it has finished flowering, there will be a second show in the autumn. Pkt., 25c.

## LUPINUS POLYPHYLLUS

8171 **The Bride**. The lightest pink, nearly white. Pkt., 25c.

8177A **Salmonous**. Many tender salmon shades coming quite true from seed. Pkt., 25c.

## MYOSOTIS

8248 **Marga Sacher**. The Forget-Me-Nots are delightful additions to our Spring gardens. This variety is an outstanding one. The plant grows 10 inches tall and is fairly sheeted under good culture with deep sky blue flowers of an unusually large size. Pkt., 50c.

## NEPETA

8253 **Nervosa**. A splendid plant for the larger type of rock garden and much superior for this purpose to *Nepeta Mussini*. The flowers are of a clear light blue and have a brighter and more attractive effect than the latter. The plant continues in bloom from mid-summer until early autumn. Pkt., 25c.

## PENTSTEMON

8323 **Blue Gem**. The delightful addition to the list of rock garden subjects. Plants grow dwarf and compact with many spikes of a charming blue flower. Pkt., 25c.

## PAPAVER NUDICAULE or ICELAND POPPY

8276 **El Monte**. This is a deep tangerine orange selection from some giant Australian hybrids. The flowers are of enormous size, borne on long wiry stems. It comes true to color, is extremely easy to grow and can be produced in six months from seed. It is fine for cutting. Pkt., 25c.

8291 **Fakenham Hybrids**. This is one of the finest strains of Iceland Poppies in existence. The flowers measure 2½ to 3 inches in diameter and come in shades of orange and yellow and white, with long stiff stems. Extremely free-flowering and lasts exceptionally well as a cut flower. Pkt., 25c.

## Perennial Seed Mixtures

Our Surprise Garden of Annuals has been a great favorite for several years with our customers. Many have asked for a similar mixture of perennial seeds, so we have made the following mixtures and offered them for the first time last year.

8600 **Dwarf Sorts Mixed**. From 6 to 15 in.

8601 **Medium Sorts Mixed**. From 18 to 36 in.

8602 **Tall Sorts Mixed**. 3 ft. and upwards.

Each of the above, pkt. 25c; three pkts., 65c.



HOLLYHOCK  
Double Triumph

8362 **Grandiflorum Double White**. Same as above except color, which is white. Pkt., 25c.

For the Primrose Path  
PRIMULA

These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location.

8407 **Florindae**. A wonderful new hardy Primula growing 3 to 4 ft. high with huge leaves resembling *Caltha Palustris*. It bears from the end of June to late in August, 60 to 80 fragrant bright yellow pendant flowers at the top of its stem. Do well in full sun—heavy soil, hardy in Illinois. Pkt., 35c.

8407A **Helodoxa**. 2 ft. Tall slender spikes of golden yellow flowers. Pkt., 50c.

8409 **Japonica All Red**. The Japanese primrose is one of the most stately and attractive species of the genus. It has large coarsely toothed leaves and flowers in various shades of red borne in several whorls on stems 1 to 2 ft. high. Pkt., 50c.

8413A **Pulverulenta Bartley Strain**. Flowers beautiful shades of rose and pink. Pkt., 50c.

8420 **Veris Grandiflora Coerulea**. The beautiful blue Polyanthus, extra fine variety, should be in every garden. Pkt., 50c.

8419 **Veris Kleynii**. Heavy stems, average length 8 to 12 inches, carrying immense head of 15 to 25 florets, each floret 1 to 1½ in. in diameter, rich golden yellow shaded apricot towards center. Plants average 6 flower spikes each. Perfectly hardy anywhere in U. S. A. Pkt. (50 seeds), 75c.

8421 **Veris Grandiflora Red Shades**. Various shades of red in an attractive variety. Pkt., 50c.

8422 **Veris Elatior Gigantea (Polyanthus)**. This is a selection made by a specialist over a long period of years. The flower spikes are 8 to 10 in. long, average ½ in. in width. The individual flowers are very large and are of pure white, dark red, pure yellow, pink and lilac and violet shadings. Pkt., 50c.

8411 **Sikkimensis**. 15 in. Yellow sweet-scented. Pkt., 50c.

## PLATYCODON

8361 **Grandiflorum Double Blue**. The Chinese bell flowers are favorite subjects for the perennial border. On page 72 we illustrate and offer several varieties. This one has double blue flowers with the expectancy of about 10% being true double. Pkt., 25c.

## PYRETHRUM

8432 **Grandiflorum Rubrum**. This is a variety of true grandiflorum type, bearing the flowers on strong, stiff stems. The color is a shade between deep rose and atrosanguineum and might best be described as deep ruby-red. Pkt., 25c.

8433 **Double Red**. A new selection. The flowers will be large size in an attractive warm shade of red and will come fairly double from seed. Pkt., 35c.

## STATICE

8515A **Dumosa**. 2 ft. This very valuable Sea Lavender is a great improvement upon all popular species; it forms densely packed cushions of pure silvery grey flowers. Their stems are stiff and wirey, the panicles are thickly covered with blossoms. Pkt., 25c.

## TROLLIUS (Globe Flower)

8553 **Ledebouri, Golden Queen**. The plant is very vigorous, grows from three to four feet in height, but its chief value lies in the size of the flowers and the intense orange color, the extreme floriferousness and the constancy with which it flowers in autumn as well as early summer. It comes practically true to type from seed. (Seed germinates slowly, soak in hot water for six hours before sowing.) Pkt., 50c.

## VIOLA

For other varieties of Viola see pages 6, 66 and 82.

8579B **Arkwright Ruby**. This beautiful new bright ruby crimson Viola has wonderful terra cotta shadings with the added attraction of being exquisitely fragrant. Pkt., 25c.

8584A **Florariense**. This variety forms large compact plants producing a continuous profusion of bloom for a long period. The flowers are a very pleasing shade of pale lavender. Splendid rock garden plant. (Varies, does not come entirely true.) Pkt., 35c.

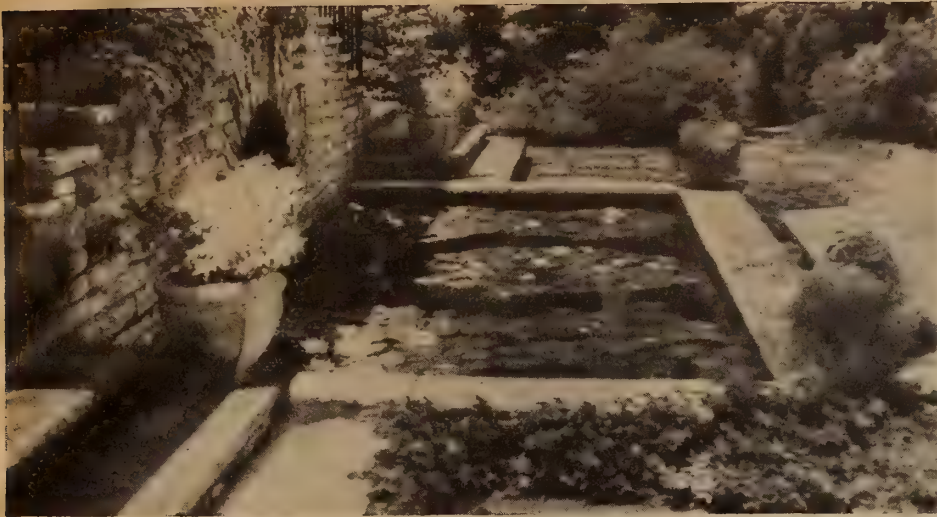
8579A **Johnny-Jump-Up or Viola Tricolor**. The plants are easily raised from seed, come into bloom very quickly, and their delightful little pansy faces appeal to every one who admires a pansy or violet. Purple, blue and yellow are the three colors that give them their name and the combinations are variable. Perfectly hardy and will reseed itself. Pkt., 25c.

Heliophila grouped and densely planted in a bed and edged with yellow Pansies, Violas or Gamolepsis Tagetes gives a striking and unusual effect.



DIANTHUS Highland Queen





# Water Lilies

## DAY-BLOOMING TENDER NYMPHAEAS

A WEALTH of charm abides in a water garden there being a peaceful satisfaction watching the everchanging surface of the water reflecting serenity and beauty and yet ever moving and alive with aquatic life. Water plays an important part in nature's landscape, giving a variety of interest and beauty. Water Lilies, the queen of aquatics, come from all parts of the world, Europe, Africa, Australia, America, Japan, China and the East Indies, each distinct species being easily grown in this country. Complete list of water lilies, oxygenating and bog plants with directions for pool making and culture are given in our circular, which will be mailed on request. Refer to cover page 2 for collections.

### FOUR NEW DAY-BLOOMING TENDER WATER LILIES

An exceptional group of four new, distinct, superb and truly sensational tropical water lilies recently originated and produced by the leading hybridizer Mr. August Koch, chief florist of Garfield Park, Chicago, Ill. These water lilies hold an unrivaled position for gorgeous effectiveness and are offered for sale for the first time, by Vaughan's Seed Store.

**NYMPHAEA CHICAGO.** This is a striking novelty of merit and the surpassing charm of this variety lies in the entrancing beauty and the large size of the flowers, the color being distinctly and decidedly different, clear brilliant pink. Size 7 to 9 inches in diameter, having 25 to 31 petals. A hybrid of Mrs. G. H. Pring and Castaliflora. Leaves olive green mottled with brown, light green mottled with carmine underneath. Lobes overlapping at base. Margin irregularly crenate. Each \$8.00.

**NYMPHAEA GOVERNOR L. EMMERSON.** No other variety of recent introduction has created the sensation which has been accorded this gorgeous novelty. The great abundance of large blossoms,  $8\frac{1}{2}$  to 10 $\frac{1}{2}$  inches in diameter, 24 to 28 petals, are the most perfect in form, largest in size and purest of color which is blue the first day, changing to light blue later. Leaves olive green mottled with light brown, reddish brown underneath, lobes overlapping base. Flowers larger and stems more sturdy than Whitaker. Hybrid of Mrs. G. H. Pring and Castaliflora. Each \$7.00.

**NYMPHAEA PINK PEARL.** Among the new lilies introduced there are none in our opinion which is likely to have a wider popularity than this. A novelty which will cause you to exclaim with wonder. Predominating characteristics are, extreme gracefulness, profuseness of bloom, flowers 6 to 8 inches in diameter, 28 to 32 petals, light pink with end of petals tipped deep pink. Stems are erect, standing 8 to 11 inches above the water. Most suited for small basins, ponds and tub culture. Leaves green above, brownish red below. Hybrid of Mrs. G. H. Pring and Castaliflora. Each \$6.00.

**NYMPHAEA MRS. W. R. JAMES.** After many years of careful selection this beautiful and charming lily was produced, remarkable in many ways but particularly in the brilliant color of its flower, which is deep pink 9 to 12 inches in diameter; sepals pale pink, with from 26 to 36 petals, standing 5 to 6 inches above the water. Leaves olive green above, brownish red below. Lobes overlapping at base, with margins sinuate. This is an outstanding variety and is quite indispensable in the pool. It is a hybrid of Mrs. Edw. Whitaker and M. Castaliflora. Each \$10.00.

**AUGUST KOCH.** Fragrant flowers, eight inches across on stems rising from eight to ten inches above the water, blooms remaining open from four to six days. The sepals are purplish lilac, the petals pale wisteria-violet. The leaves are green on upper surface. This variety was originated by Mr. August Koch, chief florist of Garfield Park, Chicago, Ill., and is considered the finest of its kind. Each \$2.50.

**MRS. C. W. WARD.** Flowers deep rosy pink, almost red, of the Gracilis type, measuring eight to ten inches across. This lily blooms freely and is very desirable. Each \$2.00.

**MRS. GEO. H. PRING.** Immense, pure white flowers, ten to thirteen inches in diameter, extremely fragrant and most prolific in bloom throughout the season. Young leaves are blotched brown while the older ones are plain green. The plant produces equally well in scant quarters, the flowers and foliage alone being affected. It far surpasses any other white tender lily for size, substance and beauty. Each \$3.00.

**BLUE BEAUTY (Pennsylvania).** Rich deep blue flowers, twelve inches across, stamens yellow tipped blue, sepals marked with purplish black lines and dots. Flowers continuously from early season until frost. The leaves are green marked with brown spots. Each \$2.50.

### NIGHT-BLOOMING TENDER LILIES

Flowers open from 5 to 6 P.M., and remain open all night usually closing the middle of the following morning; sometimes remaining open all day if cloudy weather.

**DENTATA MAGNIFICA.** Creamy white flowers, eight to fourteen inches across, wide concave petals forming cup shaped flowers; stamens yellow with brown spots at base. The leaves are heavily dentate with many crumpled margins and when exposed to the sun they have an overcast of bronze. Each \$2.50.

**FRANK TRELEASE.** Flowers brilliant, glowing, dark crimson, eight to ten inches in diameter; stamens deep reddish mahogany. Leaves dark bronze, greenish bronze underneath. This is a beautiful lily, similar but not as free flowering as Devonensis. Each \$1.50.

**STURTEVANT.** A comparatively new variety of great beauty. The immense flowers are bright red and measure eight to ten inches across; stamens orange-brown. Leaves large, bronzy-green with dentate edge. One of the finest of recent introductions. Each \$2.00.

### WATER LILY BOXES

Pine boxes ready to put together. Excellent in which to plant water lilies. These can be taken out of pool in the fall and put in your basement for winter without disturbing the lilies. They make a box 12 inches deep, 18 x 18 inches wide and will last several years having slots cut for handles and reinforced corners. Each \$1.25; 3 for \$3.50.

### TUB WATER PLANT COLLECTION

- 1 Water Lily, Pink, White or yellow.
- 2 Marginal Plants such as Umbrella, Arrowhead, Pickerel.
- 3 Oxygenating Plants
- 4 Floating Plants

Value \$3.50. Sent Express Collect for \$2.50.

## HARDY WATER LILIES

**COMANCHE.** Large flowers of a rich apricot color on opening, becoming a dark coppery-orange, streaked with glowing red as the flower ages. It is one of the changeable types and one of the most popular. Orange stamens; attractive foliage olive green flaked with brown. One of the best lilies of recent introductions. Prolific bloomer, blossoms standing well above the water surface like the tropical Nymphaea. Each \$2.75.

**CONQUEROR.** Distinct cup-shaped flowers of bright red shading to white on concave part of petals, streaked with deep red on convex surface; stamens yellow-orange, sepals white making a vivid contrast. Free flowering and of robust growth. Each \$3.00.

**GLORIOSA.** A truly magnificent variety with fragrant flowers from six to seven inches across, of beautiful form, which float on the water. They are a deep carmine-rose color, becoming deep red with age, double and perfect form. The plant is very free in flower, blooming continuously throughout the season. The fine qualities of this flower make it excellent for cut flowers, for it continues to open for about five days when floated in a bowl. The lovely blossoms of these lilies and the plant's small leaf spread make it very desirable for tub, pool or lake planting. Each \$3.50.

**MARLIACEA ALBIDA.** A pure white fragrant flower of large size with yellow stamens. The sepals are tinted pink. The plant is of free growth, blooms continuously the whole season. The leaves are large deep green above, the underside being deep red in the young state. One of the choicest water lilies. Each \$1.50.

**MARLIACEA CHROMATELLA.** Charming yellow flowers from four to six inches in diameter with bright yellow stamens. The leaves are beautifully mottled with bronze-red. The plant flowers freely and is of easy, quick vigorous growth and of compact habit. This is the best yellow hardy water lily in cultivation for all purposes. Each \$1.50.

**ODORATA GIGANTEA.** Native lily of South-eastern States. Large pure white flowers four to seven inches across. Leaves are green, with a margin of purplish red on the underside. Prolific bloomer. Each \$1.00.

**ODORATA MINOR.** Miniature, fragrant white flowers, two to three inches across. One of the most attractive small lilies; unexcelled for planting in tubs or at edge of pools. Each \$1.00.

**PAUL HARIOT.** Magnificent light yellow shading to orange-pink and then to copper-red. Large flowers of great beauty and substance. Will thrive under extreme conditions and blooms freely. Foliage spotted brownish red. One of the most popular of the changeable types. Each \$3.00.

**PINK OPAL.** Exquisite deep, rich pink. Flowers of interesting form with comparatively short petals carried above the water. Bright yellow stamens. It presents an appearance quite unique and decidedly attractive. Splendid for tubs. Excellent as a cut flower. Each \$1.50.

**ROSE AREY.** The bright cerise flowers of iridescent hue are very large, up to eight inches in diameter, very sweetly scented with pointed petals, giving effect of darker shadings near the edges. Long bright yellow stamens. Free flowering and of strong growth. This lily is of exceptional beauty being awarded the silver medal by the New York Horticultural Society. Each \$2.00.

**SUNRISE.** The name typifies this exceedingly beautiful fragrant yellow lily with long narrow petals standing at various angles, their curved sides and crinkled tips giving the appearance of a giant chrysanthemum. One of the largest lilies, the enormous flowers 9 inches across and earliest to bloom are a clear yellow, stamens golden lemon, buds olive brown with salmon flush, while the egg shaped leaves are deep green on top and red flecked below. Each \$2.50.

**TUBEROSA ROSEA.** Attractive flowers of exquisite light flesh pink from four to five inches across, rising above the water from two to three inches. Early, free bloomer and a very much desired variety. Each \$1.00.

## NELUMBIUMS OR LOTUS

**CHINESE RED LOTUS (Pekinensis Rubrum Plenum).** Large magnificent, extremely double, bright rosy carmine flowers borne on sturdy stems well above the foliage. Free in blossom and growth. Most exquisitely magnificent of all Lotus. Each \$3.50.

**LUTEUM.** (American Lotus, Water Chin-quapin). A magnificent variety, yellow flowers, originating in the western and southern states. Each \$2.00.

**SPECIOSUM (Egyptian Lotus).** Very easily grown; produces a subterranean effect. Deep rose, creamy white at base of petals. Each \$2.00.



# Vaughan's Fancy Grass Seeds



## Vaughan's Fairway Formula

For Fairways we recommend a simple, but very well-proportioned blend of Kentucky Blue Grass and Red Top, which gives excellent results and if properly cared for improves with age. Does not contain white clover.

Price, lb., 40c; 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., \$3.70; 15 lbs., \$5.50; 20 lbs., \$7.20; 25 lbs., \$8.75; 50 lbs., \$16.25; 100 lbs., \$30.00. Sow 100 to 150 lbs. to the acre. Special prices quoted on large quantities.

## Vaughan's Tennis Court Formula

Excellent for Tennis Courts, Cricket Grounds and Bowling Greens, made up of deep-rooting, hard-wearing grasses.

Price, lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.70; 15 lbs., \$7.00; 20 lbs., \$9.20; 25 lbs., \$11.25; 50 lbs., \$21.25; 100 lbs., \$40.00.

## Vaughan's Terrace Formula

A blend of grasses that root quickly and form a good turf under conditions as met with on terraces.

Lb., 50c; 2 lbs., \$1.00; 3 lbs., \$1.45; 5 lbs., \$2.40; 10 lbs., \$4.70; 15 lbs., \$7.00; 20 lbs., \$9.20; 25 lbs., \$11.25; 50 lbs., \$21.25; 100 lbs., \$40.00.

ITEMS BELOW ARE SHIPPED AT BUYER'S EXPENSE. ADD POSTAGE, OR ASK US TO EXPRESS, CHARGES COLLECT.

### FESCUES

**CHEWING'S FESCUE (New Zealand-Grown)**—There is very little difference between this and the European-grown Red Fescue. Cheving's is even greater demand for Putting Greens than the Red Fescue. Best seeded alone when used for greens. It is a perennial and makes a fine turf. Does well in sandy soils, and in the shade. Sow either Spring or Fall, preferably the last week in August or the first week in September, at the rate of 5 lbs. to 1,000 sq. ft. 1 lb., 45c; (by mail, 50c); 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.10; 10 lbs., \$4.00; 15 lbs., \$5.65; 20 lbs., \$7.00; 25 lbs., \$8.15; 50 lbs., \$15.00; 100 lbs., \$28.00.

**RED OR CREEPING FESCUE (FESTUCA RUBRA)**—True red fescue, grown in Germany. 1 lb., 70c (by mail, 75c); 2 lbs., \$1.40; 3 lbs., \$2.00; 5 lbs., \$3.20; 10 lbs., \$6.00; 15 lbs., \$8.70; 20 lbs., \$11.20; 25 lbs., \$13.50; 50 lbs., \$26.00; 100 lbs., \$50.00.

**SLENDER FESCUE OR FINE-LEAVED SHEEP'S FESCUE (FESTUCA TENUIFOLIA)**—Of value as a lawn and pasture grass where it does well on dry and inferior soils as well as in shady places. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 55c (by mail, 60c); 2 lbs., \$1.05; 3 lbs., \$1.50; 5 lbs., \$2.20; 10 lbs., \$4.25; 15 lbs., \$6.25; 25 lbs., \$10.00; 50 lbs., \$20.25; 100 lbs., \$39.00.

**SHEEP'S FESCUE (FESTUCA OVINA)**—A good grass for upland pastures and for sandy and poor soils. It is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage make it a desirable grass for many purposes. Much used for the "rough" on golf courses. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 40c (by mail, 45c); 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$5.10; 20 lbs., \$6.60; 25 lbs., \$8.00; 50 lbs., \$14.00; 100 lbs., \$25.00.

**POA ANNUA.** An annual blue grass that reseeds itself. This grass does not grow very tall. ½ lb., 40c; 1 lb., 75c (by mail, 80c); 2 lbs., \$1.50; 3 lbs., \$2.15; 5 lbs., \$3.40; 10 lbs., \$6.50; 15 lbs., \$9.45; 20 lbs., \$12.00; 25 lbs., \$14.35; 50 lbs., \$26.50; 100 lbs., \$50.00.

**ENGLISH BLUE GRASS OR MEADOW FESCUE (FESTUCA ELATIOR PRATENSIS)**—A native of Europe, it has become very thoroughly naturalized here. Should be sown with other grasses. Particularly a pasture or meadow grass. Ours is choice American-grown. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 25c (by mail, 30c); 2 lbs., 40c; 3 lbs., 55c; 5 lbs., 75c; 10 lbs., \$1.40; 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$10.00.

**WOOD MEADOW GRASS (POA NEMORALIS)**—Used as a shade grass in the Northern half of the United States. It is a very good shade grass that grows well in rather dry soils and should not be used in moist places. A perennial closely related to Kentucky Blue Grass. Sow in Fall or Spring 1 lb. to every 300 sq. ft. 1 lb., 65c (by mail, 70c); 2 lbs., \$1.30; 3 lbs., \$1.90; 5 lbs., \$3.10; 10 lbs., \$6.00; 15 lbs., \$8.65; 20 lbs., \$11.10; 25 lbs., \$13.15; 50 lbs., \$25.00; 100 lbs., \$48.00.

**ROUGH STALKED MEADOW GRASS (POA TRIVIALIS)**—An ideal shade grass in the Northern half of the United States if it can have enough moisture. This grass is a perennial closely related to Kentucky Blue Grass but somewhat finer and softer. It has a splendid apple-green color and is a creeper. Sow in Fall or Spring at rate of 1 lb. to every 300 sq. ft. 1 lb., 45c (by mail, 50c); 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.10; 10 lbs., \$4.00; 15 lbs., \$5.65; 20 lbs., \$7.00; 25 lbs., \$8.15; 50 lbs., \$15.00; 100 lbs., \$28.00.

**ORCHARD GRASS (DACTYLIS GLOMERATA)**—A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Not adapted to wet soils. It should not be used in lawn mixtures as it is too coarse and tufted. Sow in the Spring, 25 to 30 lbs. per acre. 1 lb., 30c (by mail, 35c); 2 lbs., 55c; 3 lbs., 75c; 5 lbs., 95c; 10 lbs., \$1.75; 25 lbs., \$4.00; 50 lbs., \$7.25; 100 lbs., \$13.50.

### RYE GRASSES

**ENGLISH OR PERENNIAL RYE GRASS (LOLIUM PERENNE)**—Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it; the seed is heavy and very quick to start. Also a good lawn grass where quick results are wanted. Sow in Spring or Fall, 30 to 40 lbs. per acre for pasture. Standard weight, 24 lbs. to the bushel—our seed extra heavy quality, 27-28 lbs. to the bushel. 1 lb., 30c (by mail, 35c); 2 lbs., 60c; 3 lbs., 75c; 5 lbs., \$1.10; 10 lbs., \$2.00; 15 lbs., \$2.85; 25 lbs., \$4.35; 50 lbs., \$8.00; 100 lbs., \$15.00.

**PACEY'S ENGLISH OR SHORT SEED RYE GRASS**—A strain selected for its greater yield. The seed is smaller and runs more to the bushel than the standard variety. 1 lb., 35c (by mail, 40c); 2 lbs., 65c; 3 lbs., 85c; 5 lbs., \$1.15; 10 lbs., \$2.10; 25 lbs., \$4.60; 50 lbs., \$8.50; 100 lbs., \$16.00.

**ITALIAN RYE GRASS (LOLIUM ITALICUM)**—Likes a rich, moist, loamy soil where it does remarkably well and produces good hay and pasture. Desirable for this purpose in temporary pastures. It is almost an annual, generally lasting a second year, however. Develops very rapidly. Valuable in lawn grass mixtures demanding immediate effect. Used in the South for winter lawn grass. Sow in October in the South, Spring or Fall in the North, 30 to 40 lbs. per acre for pasture; 4 to 7 lbs. per 1,000 sq. ft. on lawns. 1 lb., 30c (by mail, 35c); 2 lbs., 55c; 3 lbs., 70c; 5 lbs., \$1.05; 10 lbs., \$2.00; 15 lbs., \$2.85; 20 lbs., \$3.50; 25 lbs., \$4.10; 50 lbs., \$7.50; 100 lbs., \$14.00.

**DOMESTIC RYE GRASS**—A natural mixture of the English and Italian Rye Grass, grown in this country. 1 lb., 25c (by mail, 30c); 2 lbs., 40c; 3 lbs., 55c; 5 lbs., 75c; 10 lbs., \$1.40; 15 lbs., \$2.00; 20 lbs., \$2.50; 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$10.00.

Let us help you solve your lawn grass problems. Advice gladly given.

**TIMOTHY (PHLEUM PRATENSE)**—The most popular of all hay grasses. Growth is very rapid.

Vaughan's Fancy seed (99.5% pure or better), 1 lb., 25c (by mail, 30c); 2 lbs., 45c; 3 lbs., 60c; 5 lbs., 75c; 10 lbs., \$1.20; 25 lbs., \$2.50; bu., \$3.40; 50 lbs., \$3.75; 100 lbs., \$6.75. Grain bags 35c ea. extra.

**BERMUDA GRASS (CYNODON DACTYLON)**—The grass for Southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the South; winter kills in the North. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to bushel). 1 lb., 40c (by mail, 45c); 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$5.10; 20 lbs., \$6.60; 25 lbs., \$8.00; 50 lbs., \$14.00; 100 lbs., \$25.00.

**CANADA BLUE GRASS (POA COMPRESSA)**—A hardy grass with creeping root stocks. Adapted to all soils and very valuable on poor soils and clay soils. Recommended for Eastern States for dairy use. Sow 40 to 60 lbs. per acre for pasture; 135 to 145 lbs. per acre for lawns, in Fall or Spring. 1 lb., 40c (by mail, 45c); 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$5.10; 20 lbs., \$6.60; 25 lbs., \$8.00; 50 lbs., \$14.00; 100 lbs., \$25.00.

**AWNLESS BROME GRASS (BROMUS INERMIS)**—Very strong, quick growth making two crops of very abundant pasture. It prevents washing on the banks of streams. Sow in the Spring, 2 bushels per acre. (14 lbs. to bushel) 1 lb., 35c (by mail, 40c); 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.20; 20 lbs., \$5.20; 25 lbs., \$6.00; 50 lbs., \$11.00; 100 lbs., \$20.00.

**CRESTED DOGSTAIL (CYNOSURUS CRISTATUS)**—Fine leaved perennial, best in rich, moist soils. (21 lbs. to bushel.) 1 lb., 50c (by mail, 55c); 2 lbs., 95c; 3 lbs., \$1.35; 5 lbs., \$2.00; 10 lbs., \$3.90; 25 lbs., \$9.40; 50 lbs., \$18.00; 100 lbs., \$35.00.

### Golf

We have a golf department prepared to give expert service. Let us quote on your requirements.

### Fertilizers are Needed to Make Lawns Grow

Fine lawn grasses require rich soil in which to do their best. When properly fed they will grow so luxuriantly as to crowd out weeds. Grass which is constantly cut makes a heavy drain on the food content of soil, and unless this is annually renewed, a lawn will deteriorate. On page 100 are listed fertilizers of all types which are recommended for lawns. Our free booklet "Your Lawn" gives definite instructions on the use of fertilizers.

### Nu Green

A grass disinfectant for brown patch prevention and control. 3 oz. tin, 50c; lb., \$2.00; 5 lbs., \$9.00; 25 lb. pail, \$33.75; 100 lb. drum, \$130.00. Write us for booklet.

### SPECIAL LIST OF FIELD SEEDS

We carry a complete list of clover and other farm and field seeds of the highest quality. A laboratory report of purity and germination sent with every lot. A special price list will be sent upon application, or we will quote specially upon your exact needs. Address.

FIELD SEED DEPARTMENT

Vaughan's Seed Store, 601 W. Jackson Blvd., Chicago, Ill.

### Creeping Bent Stolon

They produce a fine lawn in one season, but must have extra care, several top dressings a year and frequent mowing. For \$19.00 we will send you enough runners and roots of the grass to plant 1,000 square feet. 500 sq. ft. for \$10.50; 250 sq. ft. for \$5.75. Express charges from growing station are extra. If larger quantities are desired ask for a special quotation. We furnish complete directions. A leaflet about Creeping Bent Stolon will be sent upon request. May and June are best for Spring planting of stolon. They can be planted earlier if weather permits. Fall planting from the latter part of August to the latter part of September.



# Vaughan's Lawn Seed

CONTAINING  
NO TIMOTHY

**A**UTHORITATIVE investigators are agreed that the greatest handicap to good lawns in the United States is cheap seed adulterated with timothy. Enormous quantities of so-called lawn seed are sold which contain little or no seeds of permanent lawn grasses, but are chiefly composed of timothy, a coarse hay, which comes up quickly but inevitable ruins a lawn. Vaughan's Lawn Seed formulas CONTAIN NO TIMOTHY.

There is no excuse in these days for guess work about seed. Laboratory tests show its purity and its germination. We do not buy, nor do we sell, seed which fails to meet our high standards, by test in our own seed laboratory.

Vaughan's "Chicago Parks" lawn seed has been sold by us for 55 years. In the beginning it was prepared according to a careful formula, for use in the Chicago parks, which were even then famous. The value of this formula has been proved by recent Department of Agriculture experiments confirming our experience.

## HOW TO MAKE A LAWN

Your lawn either makes or mars your home and if you would be successful you must closely follow simple rules which if ignored mean failure. The essentials to a perfect lawn are: good seed, correct soil conditions and proper subsequent care. These points are carefully explained in our pamphlet "Your Lawn," written for your guidance and which may be had free upon request. A copy of this pamphlet is contained in every carton of Vaughan's Lawn Seed.

We cannot urge too strongly that you follow these directions as soil conditions, fertilizer and correct seeding methods are as necessary to success as is the fine quality of Vaughan's Lawn Grass blends.

**Quantity to Use**—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 145 lbs. for one acre. To replenish lawns where turf is thin use half quantity.

## Vaughan's "Chicago Parks" Lawn Seed The Standard Blue Grass Lawn Formula

This blend is composed of heavy, re-cleaned seed, blended according to the formula proved in our 55 years' experience to be the best for permanent lawns under American conditions and recommended by the Department of Agriculture. Re-cleaned Kentucky blue grass and red top form the bulk of this blend, which includes also white clover in the correct proportion. Our blend produces a lawn that will endure. Price,  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., \$3.70; 15 lbs., \$5.50; 20 lbs., \$7.20; 25 lbs., \$8.75; 50 lbs., \$16.25; 100 lbs., \$30.00.

## Vaughan's "Columbian"

### Formula for Shady Lawns or Sandy Soil

When making a lawn on sandy soil or in light shade, conditions are met with which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price,  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., \$3.70; 15 lbs., \$5.50; 20 lbs., \$7.20; 25 lbs., \$8.75; 50 lbs., \$16.25; 100 lbs., \$30.00.

## Vaughan's Dense Shade Formula

Composed of grasses most suited for growing in heavily shaded situations. A splendid mixture. It is also satisfactory in light shade.

Price,  $\frac{1}{2}$  lb., 35c; 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.60; 5 lbs., \$2.65; 10 lbs., \$5.20; 15 lbs., \$7.75; 20 lbs., \$10.20; 25 lbs., \$12.50; 50 lbs., \$23.75; 100 lbs., \$45.00.

## Vaughan's No. 40 Lawn Formula

### Intermediate Grade

Price, 1 lb., 35c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.65; 10 lbs., \$3.20; 15 lbs., \$4.75; 20 lbs., \$6.20; 25 lbs., \$7.50; 50 lbs., \$13.75; 100 lbs., \$25.00.

**We supply Creeping Bent Grass Sod.  
Ask for Prices.**



## Vaughan's "Private Estate" Bent Formula

This is a very fancy mixture containing an important percentage of the Bent Grasses. It makes a beautiful velvety lawn. More practical than the pure Bent lawns.

Price, 1 lb., 55c; 2 lbs., \$1.10; 3 lbs., \$1.60; 5 lbs., \$2.65; 10 lbs., \$5.20; 15 lbs., \$7.75; 20 lbs., \$10.20; 25 lbs., \$12.50; 50 lbs., \$23.75; 100 lbs., \$45.00.

## Vaughan's No. 25 Lawn Formula

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price this blend does not contain timothy. Sow this blend at rate of 1 lb., to every 200 sq. ft. Cut regularly to keep turf fine. Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 65c; 5 lbs., \$1.00; 10 lbs., \$1.90; 15 lbs., \$2.85; 20 lbs., \$3.70; 25 lbs., \$4.50; 50 lbs., \$8.50; 100 lbs., \$16.00.

## White Clover

Extra fancy seed. Price,  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; 1 lb., 60c; 2 lbs., \$1.20; 3 lbs., \$1.75; 5 lbs., \$2.90; 10 lbs., \$5.70; 15 lbs., \$8.50; 20 lbs., \$11.20; 25 lbs., \$13.75; 50 lbs., \$25.00; 100 lbs., \$45.00, prepaid to 300 miles.

## Red Top Grass (Agrostis alba)

Extra Fancy re-cleaned solid seed (32 lbs. per bu.). Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.40; 10 lbs., \$2.60; 15 lbs., \$3.60; 20 lbs., \$4.40; 25 lbs., \$5.00; 50 lbs., \$8.75; 100 lbs., \$15.00, prepaid to 300 miles.

## Fancy Kentucky Blue Grass (Poa pratensis)

**EXTRA FANCY SUN CURED SEED**—Specially re-cleaned; 25 lbs. per bushel. Price,  $\frac{1}{2}$  lb., 25c; 1 lb., 40c; 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$4.90; 20 lbs., \$6.20; 25 lbs., \$7.50; 50 lbs., \$13.50; 100 lbs., \$24.00, prepaid to 300 miles.

**Fancy Seed**, actual weight, 21 lbs. per bu. (Standard grade of re-cleaned blue grass.) Price,  $\frac{1}{4}$  lb., 20c; 1 lb., 35c; 2 lbs., 70c; 3 lbs., \$1.00; 5 lbs., \$1.60; 10 lbs., \$3.00; 15 lbs., \$4.15; 20 lbs., \$5.20; 25 lbs., \$6.25; 50 lbs., \$11.00; 100 lbs., \$19.00, prepaid to 300 miles.

## Seed of the Bent Grasses

**ASTORIA BENT GRASS.** This grass has creeping roots and makes a splendid lawn and golf grass. Price,  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 60c; 1 lb., \$1.10; 2 lbs., \$2.20; 3 lbs., \$3.25; 5 lbs., \$5.35; 10 lbs., \$10.50; 15 lbs., \$15.50; 20 lbs., \$20.50; 25 lbs., \$25.00. Seed at rate of 3 lbs. per 1000 sq. ft.

**EUROPEAN MIXED BENT** (so-called "Creeping Bent") is a natural mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Colonial Bent. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft. Price,  $\frac{1}{4}$  lb., 35c;  $\frac{1}{2}$  lb., 65c; 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.40; 5 lbs., \$5.60; 10 lbs., \$11.00; 15 lbs., \$16.30; 20 lbs., \$21.40; 25 lbs., \$26.25.

**COLONIAL BENT GRASS** makes a fine close turf of excellent color. Price,  $\frac{1}{4}$  lb., 40c;  $\frac{1}{2}$  lb., 75c; 1 lb., \$1.40; 2 lbs., \$2.80; 3 lbs., \$4.15; 5 lbs., \$6.85; 10 lbs., \$13.50; 15 lbs., \$20.00; 20 lbs., \$26.40; 25 lbs., \$32.50. Seed 3 lbs. per 1000 sq. ft.

**COCOOS BENT GRASS.** We carry the genuine Cocoos Bent seed. This is a true unmixed creeping Bent grass seed. One top dressing a year will keep it in good condition.

Price,  $\frac{1}{4}$  lb., 65c;  $\frac{1}{2}$  lb., \$1.15; 1 lb., \$2.15; 2 lbs., \$4.30; 3 lbs., \$6.40; 5 lbs., \$12.50; 10 lbs., \$20.75; 15 lbs., \$30.75; 20 lbs., \$40.00; 25 lbs., \$48.75.

On orders under \$2.00 or beyond prepaid zone, add 5c per lb. for postage. Chicago or New York. On Parcel Post C. O. D. orders there is an extra charge for C. O. D. delivery.

Lawn Seed orders of \$2.00 or more are prepaid to within 300 miles of



# Plants Bred to Resist Disease

AS continuous cultivation of our soil depletes the natural plant foods and stimulates the multiplication of insects, bacteria and fungi, it becomes necessary for us to find varieties or individuals that are resistant to diseases in localities where they are most severe. Some sections have become so infected as to make it impossible to continue growing certain crops unless resistant strains are used, as, for instance, cabbage in the district around Racine, Wis., tomatoes in the Southern States, and watermelon in the Muscatine, Ia., district.

To demonstrate what disease may do we have reproduced a photograph of one of the trial fields of cabbage on this page. It shows Marion Market cabbage (Yellows resistant Copenhagen Market), with nearly every plant standing, while the row at the left, a commercial strain of Jersey Wakefield, has hardly any plants left and no heads at all.

## Resistant Bean Strains

Two serious diseases of the garden bean are Anthracnose and Bacterial Blight. These we have been able to combat by growing seed in sections of the country comparatively free from disease. The seed becomes more viril and the new plant escapes most of the ravages of the disease. The varieties we are offering, bred for this vigor, follow:

**Bountiful.** Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lb., 70c; 10 lb., \$2.00.

**Longfellow.** Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lb., 70c; 10 lb., \$2.00.

**Pencil Pod.** Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lb., 70c; 10 lb., \$2.00.

**Improved Golden Wax.** Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lb., 70c; 10 lb., \$2.00.

**Round Pod Kidney.** Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lb., 75c; 10 lb., \$2.25.

## Wilt Resistant Watermelon

Watermelon Wilt has become so serious large acreages have been discontinued and other crops grown instead. By breeding and selection, a strain of Kleckley's has been secured that is quite resistant. This is known as Pride of Muscatine, taking its name from the section where it was bred. Pkt., 15c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

## Fighting Onion Thrips

Even the onion has its enemies. The thrip attacks the foliage in July, becoming very serious in August, often causing a drying up of the leaves before the onion has developed to even medium size. Sets may be used, or an early seed onion such as Vaughan's Special Yellow Globe. Either will mature before the thrips become severe.

**Onion Sets, Red or Yellow.** Pt., 15c; qt., 25c; ½ peck, 60c.

**White Sets.** Pt., 20c; qt., 30c; ½ peck, 75c.

**Golden Globe.** Pt., 20c; qt., 30c; ½ peck, 75c.

**Onion Seed, Special Yellow Globe.** Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

## Tomato Wilt Conquered

A few years ago the tomato, one of the best money crops of the South, was about to be given up on account of Wilt and Nailhead Disease. Under the direction of Dr. Pritchard, a number of strains of tomato were produced that have proved resistant to both of these diseases. As a result of his efforts we are enabled to offer:

**Break-O-Day,** an extreme early. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.65.

**Pritchard (Scarlet Topper),** a 2nd early. Pkt., 20c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.50.

**Marglobe,** a mid-season. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

## Sweet Corn Program

Sweet Corn has been seriously affected by bacterial wilt in recent seasons, following abnormally mild winters. The early varieties, and especially the yellow, appear to be most susceptible. The late varieties, especially the white, are most resistant. There is no control method for the disease known. There has been some breeding work by G. M. Smith of Purdue Experiment Station, and he believes that he has some Golden Bantam strains that are partially resistant. In selecting he has bred a Golden Bantam hybrid which is about the same season as our Bantam Evergreen, of 10 to 12 rowed ears, larger than Golden Bantam. As the supply of this corn is very limited, our suggestion is that if we have a severe winter or a normal one, we should again plant the varieties we have been accustomed to, and if it is an open, mild winter, plant late varieties. (This is written in November, 1932.)



In a La Fayette, Ind., home garden which in 1931 did not mature a single head owing to yellows disease. A resistant strain in 1932 shows a 100% stand.

It is generally conceded by the experiment stations that with a normal winter the disease may almost if not entirely, disappear.

## Cabbage Yellows Overcome

Cabbage has several troublesome diseases, as Black Leg, Club Root and Yellows. Black Leg is avoided by treating the seed and the soil with Semesan at seeding time. Club Root is controlled by not growing cabbage on the same ground two years in succession. Yellows is controlled by using resistant varieties, bred and selected from yellows diseased fields. Of these we can offer varieties that cover the entire harvest season.

## WISCONSIN ALL SEASONS

is either a kraut or home variety, but is used more for kraut than any other purposes. It is a good sized head and does not burst readily. Pkt., 15c; oz., 45c; ¼ lb., \$1.40; lb., \$4.50.

## BUGNER

A large, flat head winter variety bred yellows-resistant by means of continual selection on yellows soil near Chicago. Pkt., 15c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

## GLOBE

The resistant Glory of Enkhousen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage, should take a mature Globe and test it in comparison with any other cabbage in order to get the superior flavor. Pkt., 15c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.



In a planting of Marion Market (yellows resistant) on infected soil, a test row of Jersey Wakefield, standard bred, shows few heads standing, while the stand of resistant plants is perfect.

## JERSEY QUEEN

As near a true Jersey Wakefield as is possible to select, in type and earliness. Exceptionally resistant to Yellows. The first early for cutting of the resistant types. Pkt., 15c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

## MARION MARKET

the third Yellows resistant cabbage to mature. This is of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhousen. Pkt., 15c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.

## WISCONSIN ALL HEAD EARLY

is the second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. A large heading general purpose cabbage. Pkt., 15c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

## WISCONSIN No. 8

A late winter keeping cabbage selected from the Dutch Winter or Hollander variety. Pkt., 15c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.



On the right, ordinary strains of cabbage badly infected with yellows; on the left, All Head Yellows Resistant showing 100% stand.



## Artichokes

THE Artichoke is grown for its edible blossoms. It is a perennial but will not stand freezing. It requires renewing every two or three years. The Jerusalem Artichoke, so called, belongs to a different family.

**GREEN GLOBE.** Perennial, large-flowering heads of exquisite and unique flavor. A prized delicacy of rapidly growing popularity. Matures second year; not hardy in the North. Pkt., 10c; oz. 65c.

**JERUSALEM ARTICHOKE ROOTS.** Best hog food known. Easily grown. Five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. They grow in a wild form in the United States. Lb., 25c; 3 lbs., 65c; 10 lbs., \$1.50. Write for quantity prices.

## Asparagus

A SPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

**SEED PLANTING**—Asparagus may be raised from seed and a crop obtained in three years. In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following Spring, select the best of the roots and place in the permanent bed.

**ROOT PLANTING**—A year may be saved by buying the plants (one year old are greatly to be preferred) and setting them at least two feet apart in the row, and the rows not closer than four feet; see that the roots are well and evenly spread out in planting and that they are not exposed to the air longer than is absolutely necessary, as they deteriorate rapidly.

**WHITE ASPARAGUS.** White Asparagus may be grown from the same variety as green. It is merely a method of growing. The roots are set deeper and the stalks are cut underneath the ground before exposure to the light has turned them green.

**WASHINGTON RUST RESISTANT STRAIN.** Developed by the experts of the United States Department of Agriculture which originated this strain. Rustproof plants are preferred by commercial growers. Since the differences between varieties of asparagus are not great, given the same soil and cultivation, freedom from disease is of dominant importance. The most satisfactory strain is MARY WASHINGTON.

**MARY WASHINGTON** stock is so far the most satisfactory of the two strains. It is the result of a single cross. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**BONVALLET'S GIANT.** Equally good, grown white or green. Bonvallet's Giant is favored on account of its extreme vigor and rust resistance. Usually it produces a crop a year in advance of other sorts. Our strain has been improved each year by careful re-selection. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

## Asparagus Roots

1-Year Old      2-Years Old

Bonvallet's Doz. 100 1000 Doz. 100 1000  
Giant . . . \$0.50 \$2.00 \$14.00 \$0.60 \$2.25 \$15.00

Mary Washington \$0.50 \$2.25 \$15.00 \$0.60 \$2.50 \$16.00  
If by mail add postage as follows. . Doz. 8c; 100, 50c.

### Health Value of Fresh Picked Asparagus

Calories per lb. 100. Vitamines, A, B, C, D.  
Proteins 1.8% Fats .2% Carbohydrates .33%

#### Minerals:

Calcium.....	.025%	Chlorine.....	.039%
Magnesium...	.011%	Sulphur.....	.041%
Potassium...	.196%	Iron.....	.001%
Sodium.....	.007%		



VAUGHAN'S BOUNTIFUL STRINGLESS BEANS

# Green Pod Bush Beans

BEANS are very tender. The seeds must be sown where they are to grow when frost has ended, and the ground is warm. The bush varieties are much earlier than the pole beans and are usually the main crop in Northern gardens, and in home gardens where space is limited. Sow in rows about fifteen inches apart, and thin the plants to about four inches apart in the row. Keep the surface soil soft and the rows free from weeds. Do not cultivate when the plants are in bloom, as it prevents the flowers from setting pods, and cultivating when the vines are wet with dew spreads the anthracnose, the chief disease of beans.

Whether one grows Wax or Green Beans is a matter of taste. Tests have proved, as far as can be, that there is no difference in flavor, nor in tenderness; and they are both grown alike. The round-podded varieties are considered to be more brittle, while the flat-podded types are better yielders. Bountiful is a flat-podded variety of remarkable yielding qualities, while Stringless Green Pod and Giant Stringless Green Pod are examples of the round-podded type.

**For the Home Garden**—Bountiful, Stringless Green Pod, Full Measure for all of which we can supply seed grown on our own farms.

## Stringless

**BOUNTIFUL STRINGLESS.** Finest of flat podded varieties, stringless, tender and of excellent flavor. It is among the earliest, a heavy yielder, producing straight, flat pods about 7 inches long of a pale green. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.00.

**STRINGLESS GREEN POD.** The leading round pod variety. It is early, and very prolific, the vines bearing long, round, straight, thick, meaty pods, free from strings or fiber; rich deep green color, very attractive and of excellent quality. For succession, plant every two weeks. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.00.

**FULL MEASURE.** A main crop variety, Stringless Round Pod which on account of quality and productiveness is growing in popularity each year. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.00.

**GIANT STRINGLESS GREEN POD.** An improved type of "Improved Early Valentine," nearly as early. The pods have all the excellent qualities of the original with much greater size and greatly improved appearance. Fine in succession to Stringless Green Pod. Pkt., 10c; ½ lb., 25c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.00.

## String

**LONGFELLOW (ROUND POD).** Handsome, nearly stringless, beautiful green pods, 7 to 8 inches long; straight and round; very prolific. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.00.

**BLACK VALENTINE.** It is not as early as "Improved Red Valentine," the original strain from which this was developed, but it is suited to both early and late planting; its hardness overcomes light frost. Pods are a third longer than Red Valentine, and grow in clusters, perfectly straight and round. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.00.

**IMPROVED EARLY RED VALENTINE.** Very hardy and early, germinates in cold ground where other sorts would not. Vines are about 15 inches high, yield well; pods are round and fleshy and eaten when young are of good quality. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.00.

**SUTTON'S MASTERPIECE.** The best greenhouse forcing bean. The pods are flat but large and thin. Early and a heavy yielder. Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., \$2.50.

## Shell

**DWARF HORTICULTURAL.** Late, heavy yielding. Flat green pods spotted with red. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.00.

**ENGLISH BROAD WINDSOR.** An English Dwarf Bean, eaten shelled, best of class. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$2.25.

**WHITE KIDNEY.** Shell beans. Lb., 35c; 2 lbs., 60c; 10 lbs., \$1.75.

**RED KIDNEY.** Lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**WHITE MARROW.** Good shell bean. Lb., 35c; 2 lbs., 60c; 10 lbs., \$1.75.

## Field

**GREAT NORTHERN.** A little larger than the Navy Bean, it is harder and under ordinary conditions a much heavier yielder. For cooking many give it preference, saying it cooks in a shorter time, is more tender and more digestible. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., \$1.50.

**IMPROVED NAVY.** Fine field sort. Lb., 30c; 2 lbs., 50c; 10 lbs., \$1.25.

**"ROBUST."** Robust is a selection of the White Navy Bean introduced by the Michigan Agricultural College. In the College trials Robust has always out-yielded other White Beans. It is especially adapted to the heavier soils. Lb., 30c; 2 lbs., 50c; 10 lbs., \$1.50.

### Health Value of Fresh Picked Beans

Calories per lb., 184. Vitamines A, B, C, D.  
Proteins 2.3% Fats .3% Carbohydrates 7.4%

#### Minerals

Calcium.....	.046%	Chlorine.....	.024%
Magnesium...	.025%	Sulphur.....	.030%
Potassium...	.247%	Iron.....	.0011%
Sodium.....	.019%		



# Wax Pod Bush Beans

**For the Home Garden**—We recommend Wardwell's Kidney Wax, New Stringless and Round Pod Kidney Wax. The home gardener will find his bean crop one of the most productive in food values. If the plants are kept picked clean they will bear a long time and a second crop will come in late summer continuing through the fall. If space is limited, however, it is better to plant for a succession crop, as the first crop is much the heaviest.



IMPROVED GOLDEN WAX

**IMPROVED GOLDEN WAX.** A medium early bearing heavy crop on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor peculiar to this variety. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.00.

**UNRIVALED WAX.** A robust grower, ready in 65 days, slightly flattened pods, high quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.00.

## String

**DAVIS KIDNEY WAX.** Vines vigorous and prolific, waxy white pods 7 inches long; the finest appearing of all early wax beans. They should be used while young, when free from strings. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.00.

**CURRIE'S GOLDEN WAX.** Early, hardy, nearly rust-proof. Long, golden yellow pods, crisp and tender. The seed is black. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**HODSON WAX.** The greatest yielder of garden varieties. Season medium early, vines bear a mass of long, straight pods, resembling the Davis Wax. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.25.

## Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 108.

## POLE BEANS They Yield Heavily

**POLE** varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about three to four feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest.

**KENTUCKY WONDER OR OLD HOMESTEAD.** Green pod. The most widely planted pole variety. The pods are fleshy, saddle-backed, green, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season. Pkt., 10c; ½ lb., 25c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.00.

**KENTUCKY WONDER WAX.** The best pole wax bean for Northern planting. It is similar in habit to "Kentucky Wonder Green Pod," and as early. Pods are golden yellow, and so fleshy that often the thickness surpasses the width; make delicious eating. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.50.

**EARLY GOLDEN CLUSTER WAX.** Long, stringless; fine quality; pods in clusters; pure white seeds. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.50.

**BURGER'S STRINGLESS GREEN POD.** Small white seed. Can be picked until frost. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**WHITE CREASEBACK.** Early; long, round, green, stringless, tender pods; white beans. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**CUT SHORT OR CORN HILL.** Much used in the South for planting among the corn. Yields well without poles. Short pods, flat to oval in shape; good quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**LAZY WIFE.** Good shell beans; long, thick, stringless pods. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**HORTICULTURAL CRANBERRY.** For cool climate; early; flat green pods, spotted seeds; good snap or shell. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**YARD LONG.** Or French Asparagus Bean, having a long irregular nearly round edible pod. Pkt., 15c; lb., 70c.

**SCARLET RUNNER.** Ornamental, bright red flowers. Good snap bean. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.25.

KEN-  
TUCKY  
WON-  
DER

## Stringless

**New Stringless White Wax** Sometimes called Stringless Davis Wax. A recent introduction which has become widely popular. This is a perfectly stringless variety with a long, straight pod, and a white seed which may be eaten dry if desired. It is early, of excellent flavor, produces heavily and is strongly recommended for home gardens. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.50.

**WARDWELL'S KIDNEY WAX.** In midwest soil this is at its best. The pods are 7 inches long, flat, brittle, stringless, straight, finely shaped, beautiful yellow, distinct and attractive. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.25.

**SURE CROP WAX.** An extra early, perfectly stringless flat variety with black seed. The pods are large and of a golden yellow color, which they assume when still very small. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 75c; 10 lbs., \$2.25.

**ROUND POD KIDNEY WAX.** Early, of vigorous growth, heavy yielding. Pods are long, round and entirely stringless; fine flavor. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.25.

**NEW KIDNEY WAX.** A flat, long-podded, stringless variety and of highest table quality. In addition a robust grower and high yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.25.

**PENCIL POD BLACK WAX.** Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, containing black seed. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.00.

**WEBBER WAX.** Same season as Wardwell's Wax but harder and more prolific. The pod is long, bright yellow, yellow seed. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.00.

# Delicious Lima Beans

**LIMAS** should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. They may be sown in hills, or in rows, and allowed to run on chicken wire or strings and thinned to eight or ten inches apart. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space. Many, however, consider the Tall Lima the best flavored of all beans.



FORDHOOK BUSH

## Bush

**FORDHOOK BUSH.** The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick, beautiful green beans. In contrast with older varieties, which were dry and mealy, Fordhook is tender, sweet and juicy. Pkt 10c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.10; 10 lbs., \$4.00.

**BURPEE'S IMPROVED BUSH.** This has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder"—and they mature a week earlier. Vaughan's strain of this excellent sort gives the greatest satisfaction. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.00.

**NEW WONDER BUSH.** A standard of bush lima quality, and widely planted. Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are uniform, slightly curved and usually contain three seeds. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.50.

**BURPEE'S BUSH.** Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds; thick stems furnish fine support; very productive and splendid quality. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.80.

**HENDERSON'S BUSH.** Crop reliable, very productive, compact form, free from mildew. One of the first Lima beans to mature. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

## Pole

**CARPINTERIA POLE LIMA.** While the seed retains its distinctively green color, it is as prolific as any white lima; the vines are vigorous, bearing quantities of pods, each usually containing four beans. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.75.

**EARLY LEVIATHAN.** Exceptionally early, it equals the main crop varieties for large pods; clusters of 5 to 8 grow together. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.25.

**SIEBERT'S EARLY LIMA.** Hardy, early and an enormous producer, a grand variety for Northern climates. Pods are dark green, medium long, well filled with 3 or 4 large beans. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$2.75.

**KING OF THE GARDEN.** A climber that blooms and produces to end of season. Uniform pods 5 to 8 inches long, filled with beautiful beans of superior quality. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.25.

**LARGE WHITE SEADED.** Very attractive. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.25.



# Beets of First Quality



CROSBY'S EGYPTIAN

**BEETS** should be sown in drills in the garden as soon as the ground can be worked. Each "seed" is really a hard-shelled fruit cluster containing two or three small seeds. A moist seed bed is needed and the ground should be firmed well over the seed. Thinning out will be necessary, and the young beets and tops cooked together make one of the best dishes of the season. Thin to 5 inches apart for best results. The turnip varieties are earliest and most popular. The long or blood beets sown in May are harvested in the autumn for winter use. Early varieties sown in midsummer may be harvested in autumn and stored for winter. The home garden is not likely to be attacked by either insects or diseases which will injure beets. Swiss chard is a variety of beet grown for its leaves. See Page 39.

**Home Garden Varieties**—Crosby's Egyptian or Fireball for the early crop and Detroit Dark Red Turnip for main crop and late crop are recommended to home gardeners as providing the very finest table quality. Swiss Chard should be in every home garden.

**CROSBY'S EGYPTIAN.** Famous for shape, color and quality. Vaughan's strain, constantly selected to maintain and improve uniformity, flavor and other excellent qualities, is very early; has deep red color; "zoned with a lighter color"; is smooth and tender, and has sweet flesh that is richly palatable.

**Vaughan's Selected Stock**—Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50; by express, 5 lbs., \$6.50.

**Standard Stock**—Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25; by express, 5 lbs., \$5.50.

**EARLY WONDER.** A selection from Crosby's Egyptian. The roots grow a little deeper, more of a globe shape and are deep blood-red with almost no lighter zoning in the cross section of a root. Top small, but large enough for bunching, small tap root. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25; by express, 5 lbs., \$5.50.

**DETROIT DARK RED TURNIP.** A main crop variety unequaled as a big cropper. Perfect turnip-shape, small tap root, small upright tops—fine for market bunching. Skin and flesh dark, blood-red, sweet, tender and delicious.

**Vaughan's Selected Stock**—Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50; by express, not prepaid, 5 lbs., \$6.50.

**Standard Stock**—Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25; by express, 5 lbs., \$5.50.

**CRIMSON GLOBE.** Second early main crop, of medium size, about 10 inches around; globe-shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood-red, sweet, tender and never stringy. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 90c; 5 lbs., \$4.00.

**EDMUND'S BLOOD TURNIP.** One of the best, round, well formed, has only one tap root, flesh is deep blood-red, very sweet and tender. They do not grow large and coarse, and, having small tops, they can be planted closely. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 90c; by express, 5 lbs., \$4.00.

Health Value of Fresh Pulled Beets					
Calories per lb., 209.	Vitamines A, B, C, D.	Proteins 1.6%	Fats .1%	Carbohydrates 9.7%	
Minerals:					
Calcium.....	.029%	Potassium.....	.353%	Sulphur.....	.016%
Magnesium.....	.021%	Chlorine.....	.058%	Iron.....	.0006%
		Sodium.....	.093%		

**VAUGHAN'S FIRE BALL.** It is early, maturing with "Crosby's Egyptian," has fine globe shape, deep red color and the flesh is solid and very sweet. The tops are small and permit close planting. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**HALF-LONG BLOOD.** A splendid winter sort; half the length of "Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red; flesh sweet, tender and crisp. Never woody. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**VAUGHAN'S CHICAGO MARKET.** A main crop variety of great merit; is turnip-shaped, medium size, tops rather small, and has a fine tap root. The color is perfect dark blood-red; the leaves almost black; does not soon overgrow when left in the garden, and is a fine keeper. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**EARLY BLOOD TURNIP.** Good color, large and smooth. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 85c; by express, 5 lbs., \$3.75.

**LONG SMOOTH DARK BLOOD.** Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**IMPROVED EARLY EGYPTIAN.** The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00; by express, 5 lbs., \$4.50.

## Broccoli

**Italian Green Sprouting** A plant of the cauliflower family which, after the first head has been harvested produces branching sprouts on which are small loose heads, two inches in diameter, which are cooked like cauliflower. The flavor is delicate and delicious. Pkt., 25c; oz., 60c;  $\frac{1}{4}$  lb., \$1.75.



VAUGHAN'S MAMMOTH LONG RED

## Roots for Feed

**BARRES SLUDSTRUP.** This Mangel holds the world's record for dry matter content. It is a long, reddish yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far exceeds any other variety in weight and in feeding value. Our seed is from best Danish growers. Oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c; 5 lbs., \$2.50.

**VAUGHAN'S MAMMOTH LONG RED.** Largest and heaviest cropper of long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, bright red skin and white flesh veined with pink. Grows well up above the ground. Oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c; 5 lbs., by express, \$2.50.

**GIANT YELLOW ECKENDORF.** One of the most popular European varieties; heavy yielder. Yellow roots, cylindrical 15 to 20 pounds each, grow above ground. Oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c; 5 lbs., \$2.50.

**GOLDEN TANKARD.** Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Very nutritious. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c; 5 lbs., \$2.50.

**CHAMPION YELLOW GLOBE.** Skin a rich yellow, flesh white and solid; grows two-thirds above ground, the best for shallow soils. Good keeper. Oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c; 5 lbs., \$2.50.

**GIANT ROSE HALF SUGAR.** Combines best qualities of Sugar Beets and Mangels. About the same shape as Long Red, but has white skin and flesh. Highly nutritious and a big producer. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c; 5 lbs., \$2.50.

## Sugar Beets

The kinds offered below are grown from roots, the test analysis of which showed high sugar content. Prices of the following: Oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 60c; 5 lbs., by express, \$2.50.

**VILMORIN'S IMPERIAL.** Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels.

**KLEIN-WANZLEBEN.** Wedge-shape tapering to long tail.



BRUSSELS SPROUTS



BROCCOLI,  
ITALIAN  
GREEN SPROUTING

**LARGE WHITE MAMMOTH.** Good white heads. Pkt., 10c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50.

## Brussels Sprouts

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

**LONG ISLAND IMPROVED.** The most satisfactory Brussels Sprouts for American conditions; hardy, early, and a heavy yielder. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.

**IMPROVED DWARF.** Dwarf habit and less liable to aphid than others. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.

## Health Value of Fresh Picked Brussels Sprouts

Minerals:	
Calcium.....	.027%
Magnesium.....	.040%
Potassium.....	.375%
Chlorine.....	.040%
Sulphur.....	.194%
Iron.....	.0011%
Sodium.....	.004%



# Cabbages of All Types

## Health Value of Fresh Picked Cabbage

Calories per lb., 143. Vitamines A, B, C, D.

Minerals			
Proteins	1.6%	Calcium	.045%
Fats	.3%	Magnesium	.015%
Carbohydrates	5.6%	Potassium	.247%
		Sodium	.027%
		Chlorine	.024%
		Sulphur	.066%
		Iron	.0011%

THE earliest cabbages may be enjoyed in June from seeds sown in the house or in a hot-bed. Early Jersey Wakefield matures in 90 days, and later varieties in 100 to 115 days. Both early and late varieties should be started indoors, and for fall and winter cabbages the late varieties should be started in a seed bed in May. Savory cabbages excel in table quality and are recommended for the home garden. Plenty of room should be given plants, at least two feet each way. They need a light and well watered soil, rich in nitrogen. Frequent applications of nitrate of soda or some other nitrogenous fertilizer will work wonders.

Cabbage worms are quickly disposed of by dusting young plants lightly with a mixture of 1 lb. calcium arsenate to 10 lbs. of gypsum or lime. Use a duster in applying it, as it will burn if applied too thickly. See page 99 for dusters and page 98 for the insecticides.

## Yellows Disease Resistant Cabbage

The loss of large acreages by the disease called yellows caused an investigation by the plant pathologists of the University of Wisconsin. No claim is made of immunity from other diseases, such as clubfoot, stem rot or black rot. We list varieties in order of maturity and offer only stocks that have been tested in the diseased cabbage fields of Wisconsin and found to be highly yellows resistant. Special prices on quantities to Market Gardeners.



### Jersey Queen

As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. If you are troubled losing your cabbage try yellows resistant varieties. It may make it possible for you to again grow cabbage successfully.

### CABBAGE, JERSEY QUEEN

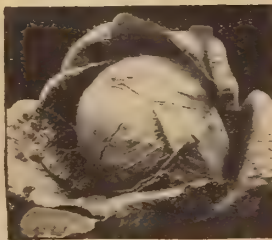
Pkt., 15c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

**WISCONSIN ALL HEAD EARLY** is the second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. Large heading general purpose cabbage. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**MARION MARKET.** The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhausen. Pkt., 15c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.

### Globe

The resistant Glory of Enkhausen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage, should take a mature Globe and test it in comparison with any other cabbage in order to get the superior flavor. Pkt., 15c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.



### CABBAGE, GLOBE

**WISCONSIN ALL SEASONS** is either a kraut or home variety, but is used more for kraut than any other purposes. It is a good sized head and does not burst readily. Pkt., 15c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.40; lb., \$4.50.

**BUGNER.** A winter variety bred yellows-resistant by means of continual selection on yellows soil near Chicago. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**WISCONSIN No. 8.** A late winter keeping cabbage selected from the Dutch Winter or Hollander variety. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

On page 12 will be found illustrations which demonstrate the value of disease resistant strains of cabbage in all sections where the cabbage yellows disease is prevalent.

## Standard Bred Seeds

**RE-SELECTED COPENHAGEN MARKET EXTRA EARLY.** As the earliest of the larger heading cabbages Copenhagen Market is of the utmost importance to both home and market growers. Our re-selected early strain has been sold by us for seven years with remarkable results. Truck gardeners have reported that their entire crop from this seed has been marketed before Copenhagen heads from other seed were ready to cut. The product is uniformly early with few outside leaves. This strain is the result of years of work by a European breeder who we believe first bred and produced the Copenhagen Market.

**Re-selected Tested Stock.** Pkt., 15c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**Standard Stock.** Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

**PENN STATE BALLHEAD.** A very heavy yielding strain of the short stem type of Danish Ballhead bred and introduced by Dr. Myers of Pennsylvania State College. Yields as high as twenty-six tons per acre have been recorded. Pkt., 20c; oz., 65c; ¼ lb., \$1.85; lb., \$6.50.

**NEW CABBAGE—GOLDEN ACRE.** This is a very good selection of the Copenhagen Market type with heads smaller than our re-selected strain. The season is a trifle earlier. Very uniform. Pkt., 15c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**VAUGHAN'S SURE HEAD.** This is a large round flatheaded variety, uniform size and weighing 10 to 15 pounds each. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**VAUGHAN'S SELECT EARLY JERSEY WAKEFIELD.** This extra early conical-shaped head cabbage is the best early for planting in the United States. Earliness and hard heading in this variety are most important to growers. Early Jersey Wakefield Cabbage is a specialty with us, and to secure the best seed on our growing farms we spare no expense. More seed of this sort is planted in the United States than of all other varieties of the same type together. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**VAUGHAN'S ALL SEASONS.** This special Vaughan's Cabbage, although really an early is suited to every growing season. Even when planted very late it keeps well, and is of much better quality than the big ribbed winter sorts. The heads are large and solid, leaves small ribbed; matures about same time as "Early Summer" with larger head. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

**BRIDGEPORT DRUMHEAD.** The best Large Fall Shipping Cabbage in existence. We introduced this variety over thirty years ago. The original type has been kept up and improved to a high degree of perfection. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.50.



MARION MARKET  
YELLOWS RESISTANT

**GLORY OF ENKHOUSEN.** An early, globe-shaped, medium size, sure heading and a splendid keeper. Matures right after Copenhagen Market. More uniform and more even maturing than Copenhagen. Originator's stock. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**ALL HEAD EARLY OR FAULTLESS.** Amateur growers who plant only one variety should select this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**EARLY SUMMER (New York).** The heads are round and flattened. Follows "Jersey Wakefield." The heads are of fair size, solid, quality good, has an attractive appearance, being tinged with a peculiar shade of blue. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

**EARLY FLAT DUTCH.** Sure solid header; weighs 10 to 12 pounds. Even size, matures with "Early Summer," a second Early; it stands long without bursting. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

**SUCCESSION.** Heads large, flatter than "Early Summer," two weeks later, but more uniform. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.50.

**DANISH BALLHEAD, TALL.** From Amager Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. It has a perfectly solid head, unequaled keeping and shipping qualities, correct market size, hard and heavy heads, weighing a fourth more than other sorts of equal size, fine grained, leaves deliciously tender.

**Vaughan's Selected Stock.** Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

**DANISH BALLHEAD SHORT STEM.** Or Dwarf Amager. This variety is almost identical with "Dutch Winter or Hollander." We import our seed direct from Amager Island, Denmark; and we supply one-year-old, proven stock, if wanted. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

**DUTCH WINTER OR HOLLANDER.** Excels as a "late spring" seller. The heads averaging about 8 pounds, very solid, have a distinct, white color; coming out as fine and as perfectly solid in the spring, as when put away in the fall. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.



EARLY JERSEY WAKEFIELD



**VAUGHAN'S PREMIUM LATE FLAT DUTCH.** Of the Flathead varieties this large-heading sort is the most popular. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**CHARLESTON WAKEFIELD.** This sort matures a few days later than "Jersey Wakefield," with heads much larger and uniform. Very popular with Southern growers; it does well on heavy soil. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

## Red Cabbage

**MAMMOTH ROCK RED.** The hardest and largest heading red cabbage. Produces heads in about 120 days, round, very solid and of a deep red color, often weighing up to 12 pounds each. This variety is much used for cole slaw and pickling. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., 90c.

**HACO, EARLIEST ROUND RED (New).** This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. The color is intense dark red throughout, heads trimmed average 3 lbs., each. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 60c;  $\frac{1}{4}$  lb., \$1.75.

**VAUGHAN'S BLACK DIAMOND.** A new second season black-red variety. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c.

**RED YELLOWS RESISTANT.** Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 15c;  $\frac{1}{2}$  oz., 65c; oz., \$1.00;  $\frac{1}{4}$  lb., \$3.00.

## Savoy Cabbage

**IRONHEAD.** A large solid head, very early. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c.

**IMPROVED AMERICAN SAVOY.** The best of the main crop of Savoy leaved cabbages. The vigorous short stemmed plant forms a large, fairly solid head, sweet and tender. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c.



IMPROVED AMERICAN SAVOY

## Celery Cabbage

**CELERY CABBAGE OR CHINESE PE TSAI.** The VAUGHAN Strain. This exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away the cabbage presents a well high irresistible appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. The heads blanch without tying. July is the proper planting time. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

**CELERY CABBAGE "PAOTING"** Genuine "WONG BOK" type. We have obtained from our Chinese growers this new variety of the "Wong Bok" type which differs from the Pe Tsai type in being shorter and thicker. Will mature firm heads thru the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. In crispness and tenderness it resembles the Pe Tsai and has the same fine, celery flavor. It is the largest of the Chinese cabbages. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.

## CARDOON

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.00.



CELERY CABBAGE "PAOTING"



VAUGHAN'S  
NEW  
SNOWBALL

# Cauliflower

Give it An  
Early Start

### Health Value of Fresh Picked Cauliflower

Calories per lb., 139. Vitamines A, B, C, D. Proteins 1.8% Fats .5% Carbohydrates 4.7%			
Minerals			
Calcium.....	.123%	Potassium.....	.222%
Magnesium.....	.014%	Chlorine.....	.050%
		Sodium.....	.068%
		Sulphur.....	.086%
		Iron.....	.0006%

**CAULIFLOWER** is an exacting crop, yet success is easy where the conditions are right. Like radishes, this plant makes quick growth in cool weather. Start the first crop early in the house and transplant into rich, light soil, where plenty of water can be given. Cabbage worms may be killed by Slug Shot, Pyrox or arsenate of lead used before the heads begin to form. To bleach the heads tie up the leaves over them.

**VAUGHAN'S SELECT SNOWBALL.** This closely resembles New Snowball but has the additional features of more foliage for protection and is more uniform in heading. The seeds are about one-third smaller. Pkt., 25c;  $\frac{1}{4}$  oz., \$1.00;  $\frac{1}{2}$  oz., \$1.75; oz., \$3.00;  $\frac{1}{4}$  lb., \$11.00.

**VAUGHAN'S NEW SNOWBALL.** For early outdoor planting and forcing. A well-grown head will measure 9-10 inches across and have depth in proportion, will be solid, and have a perfectly white core. It is dwarf in growth and earlier than any other sort. This strain is also extensively planted for late summer and fall market. Pkt., 25c;  $\frac{1}{4}$  oz., 75c;  $\frac{1}{2}$  oz., \$1.40; oz., \$2.50;  $\frac{1}{4}$  lb., \$8.50.

**VAUGHAN'S EARLIEST DWARF ERFURT.** Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt was the standard of early Cauliflowers. In all respects it is similar to Vaughan's New Snowball, but a few days later. Pkt., 25c;  $\frac{1}{4}$  oz., 70c;  $\frac{1}{2}$  oz., \$1.25; oz., \$2.25;  $\frac{1}{4}$  lb., \$8.00.

**DRY WEATHER CAULIFLOWER.** This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. It is a very sure header, heads larger than Snowball, and is snow-white, second early. Pkt., 25c;  $\frac{1}{4}$  oz., 75c;  $\frac{1}{2}$  oz., \$1.40; oz., \$2.50;  $\frac{1}{4}$  lb., \$8.50.

**DANISH SNOWBALL.** Later than Vaughan's "New Snowball." A splendid second early. Although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit. Pkt., 25c;  $\frac{1}{4}$  oz., 70c;  $\frac{1}{2}$  oz., \$1.25; oz., \$2.25;  $\frac{1}{4}$  lb., \$8.00.

**AUTUMN GIANT.** In Southern localities this meets with favor as a large heading late fall sort. Pkt., 10c;  $\frac{1}{2}$  oz., 35c; oz., 60c;  $\frac{1}{4}$  lb., \$1.75.

### VEGETABLE CULTURE, PRACTICAL. By Albert E. Wilkinson.

In this book all phases of vegetable culture are covered from sowing seed to reaping the harvest. There are innumerable garden plans of all kinds and of all sizes; greenhouse, hotbeds, cold frames, home vegetable storage, control of pests and diseases, etc., are discussed in detail. 308 pages; 177 illustrations. Cloth, \$2.00; \$2.40 postpaid.





OXHEART

DANVERS  
HALF LONGIMPROVED  
LONG ORANGENANTES  
HALF LONGEARLY  
CHANTENAY

# Table Quality Carrots

## Fine for Health and Good to Eat

CARROTS are not alone one of the most wholesome of foods, supplying precious vitamins, but when half-grown are one of the greatest delicacies possible to place on the table. Persons who say they do not like carrots usually will be found never to have tried them young. The seeds are very slow to germinate and they should be marked in the row with radishes or some other quickly-maturing crop which will be harvested before the carrots crowd. Mellow soil which will not bake over the seeds and will not harden in midsummer is the kind carrots like. Plant in rows 18 to 24 inches apart and thin 3 to 4 inches apart.

**VAUGHAN'S SELECT DANVERS.** This is deservedly popular. It is two weeks later than Chantenay and the diameter of the root is slightly smaller. It is a half-long type, averaging five and one-half inches in length tapering to a blunt point. The color is a rich, deep orange, the table quality excellent, its yield greater per acre than any other.

**Selected Stock**—Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75; 5 lbs., \$7.50.

**HALF LONG DANVERS.** Standard Stock. More pointed and slightly smaller than Select. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50; 5 lbs., \$6.50.

**NANTES HALF LONG SCARLET.** For extra sweetness, this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core. This is strongly recommended to home gardeners. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50; 5 lbs., \$6.50.

**EARLY CHANTENAY.** This excellent variety is earlier than Danvers, being ready to use in sixty days after sowing. It is slightly shorter and more stump-rooted, averaging  $4\frac{1}{2}$  inches in length, tapering slightly from well-set shoulders. It is smooth, of a deep orange color, and of high table quality. Home gardeners may grow this for all purposes. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**Selected Stock**—Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**EARLY SHORT SCARLET (Dutch Horn).** Larger than French Horn and almost as early, stump-rooted,  $1\frac{1}{2}$  inches thick, three inches long; fine grain, sweet-flavored, rich orange. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**IMPROVED LONG ORANGE.** A well-known sort, roots long, thickest near the crown, tapering regularly to a point, colored deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 90c; 5 lbs., \$4.00.

**CARROT, VAUGHAN'S CHICAGO FORCING.** A nearly cylindrical, blunt pointed coreless carrot, from 1 to  $1\frac{1}{2}$  inches in diameter, carrying its size nearly to the point. The best flavored and most tender variety. Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

### Health Value of Fresh Picked Carrots

Calories per lb., 204. Vitamines A, B, C, D.  
Proteins 1.1% Carbohydrates 9.3% Fats .4%

#### Minerals

Calcium	.056%	Chlorine	.036%
Magnesium	.021%	Sulphur	.022%
Potassium	.287%	Iron	.0006%
Sodium			.101%

**GUERANDE OR OXHEART.** Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has fine flavor and tenderness. A second early. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

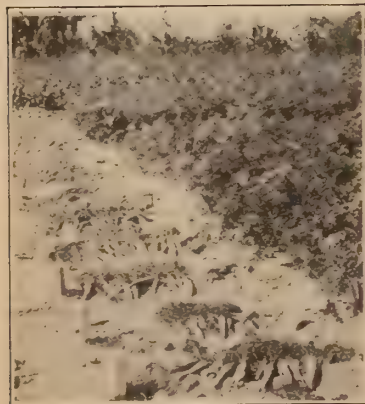
**VERY EARLY SCARLET FORCING (French Horn).** Best variety for earliest forcing. Reddish orange-colored roots, nearly round. When matured they are about two inches in diameter. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

**CARROT, RED CORE CHANTENAY.** The shape is the same as regular Chantenay. The core is more red, giving it the appearance of being coreless. This carrot is more tender and better flavored than the standard Chantenay, but it is also influenced to a great degree by weather and soil conditions. It is however, a desirable improvement over the regular Chantenay. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

### Carrots for Stock

**MASTODON OR WHITE INTERMEDIATE.** Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 90c; 5 lbs., \$4.00.

**LONG WHITE BELGIAN.** Similar to Long Orange except in color. Oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., 90c; 5 lbs., \$4.00.



Carrot Trials at Vaughan's  
Michigan Farms

## Tree and Evergreen Seeds

**EVERGREEN** seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings partial shade during the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost. We handle a full line of Tree Seeds. Write for our special price list.

One pound lots and less include postage.

**APPLE.** Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 75c; lb., \$2.00.

**ARBOR VITAE (American).** Pkt., 10c; oz., 55c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.50.

**CATALPA SPECIOSA.** Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 50c; lb., \$1.25.

**LOCUST, BLACK OR YELLOW.** Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$1.50.

**LOCUST, HONEY.** Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$1.50.

**OSAGE ORANGE.** Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 75c; lb., \$2.25.

**PEAR, FRENCH.** Pkt., 10c; oz., 60c;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.50.

**PINE, SCOTCH.** Pkt., 10c; oz., 45c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.25.

**SPRUCE, NORWAY.** Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., 80c; lb., \$2.50.





# You Can Grow Celery

It Will Succeed in Light  
Fairly Rich Soil

## Health Value of Fresh Picked Celery

Calories per lb., 84. Vitamines A, B, C, D.

		Minerals			
		Calcium	Chlorine	Sulphur	Iron
Proteins	1.1%	.078%	.156%	.022%	.0005%
Fats	.1%	.014%	.022%	.0005%	
Carbohydrates	3.3%	.316%	.084%		
		Sodium			

CELERY  
GOLDEN  
PLUME

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good lettuce and cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of May, 8 inches apart for the early kinds and a foot for the winter varieties. Where the soil is very rich they may be grown closer. Keep them growing and do not work over the plants when they are wet with dew or rain.

Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

For the Home Garden—We recommend Emperor and Golden Self-Blanching

## New Celery, Golden Detroit

The plants are heavy, compact and full hearted. Stems are broad, very thick, rounded at the edges and the edible portion is about 7 inches long. The leaves are a clean bright green, the stems blanch easily and are very free from strings. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety and eliminates the faults. Under California conditions, plants grow 24 to 26 inches overall and under Florida conditions the plants average 22 to 23 inches tall. The flavor is excellent. Pkt., 25c; ½ oz., 65c; oz., \$1.00.

**GOLDEN SELF-BLANCHING.** Dwarf bunches, with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings, make it a favorite. The French originators of this type have lately introduced a re-selected strain which they are now using. It is earlier and stronger growing than the older type. We offer the two strains separately.

**Fall Strain.** French type. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00.

**Dwarf Strain.** American-Grown. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.00.

**WHITE PLUME.** Leader among white varieties. It excels in crisp and tender table quality. Its habit of growing is vigorous, stalks are uniformly white, and large sized.

**Selected Stock**—Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.25.

**GIANT PASCAL.** The stalks are large, solid, crisp and of rich nutty flavor. It blanches easily and quickly. The heart is golden yellow. For Fall and Winter, this is a splendid sort. It is a selection from "Golden Self-Blanching," with added keeping quality. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

**GOLDEN PHENOMENAL.** A new celery having the growing characteristics of Golden Plume. Taller, growing longer to the first leaf and heavier stalk. Free from any strings, fine flavor and excellent quality. Pkt., 25c; ½ oz., 75c; oz., \$1.40; ¼ lb., \$4.50.

**EMPEROR.** Almost in a class by itself for flavor and brittleness. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round. Bred especially for freedom from hollow stalks. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.



CHIVES

## Chervil

**DOUBLE CURLED.** An aromatic plant resembling parsley but being superior in flavor. The leaves when young are used for flavoring and garnishing meats. Seed requires four to five weeks to germinate. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

## Chives

A perennial herb, a member of the onion family which every garden should grow. The slender tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The seeds are used for seasoning. The flowers are a beautiful lavender. Pkt., 10c; ½ oz., 40c; oz., 75c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

## Collards

A leafy plant having foliage similar to that of cabbage, but does not form a head. Is used as a greens and is adapted to districts where the cabbage does not head readily. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

## Chicory

**Asparagus Chicory** This is a favorite in Italy and has been grown successfully in our trials. A member of the chicory family, it is cultivated for its fresh green shoots which are boiled in salt water and served hot, or in cold salad. They are tender and suggest the flavor of asparagus. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

**WITLOOF (FRENCH ENDIVE).** A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Special strain. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$2.50.

**Large Rooted Magdeburg.** Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.



WITLOOF  
CHICORY



CELERIAC—Large Smooth Prague

## Celeriac

### TURNIP ROOTED CELERY

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich, celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

**LARGE SMOOTH PRAGUE.** Excels in quality, size and appearance. A main crop variety, nearly globe-shape and almost twice the size of Erfurt. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.



CURLED GARDEN CRESS

## Cress

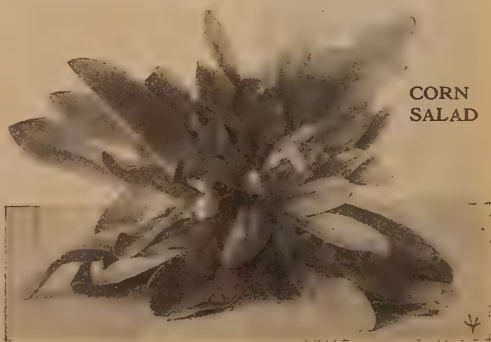
**UPLAND CRESS.** Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

**CURLED GARDEN.** Used with Lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.00.

**WATER CRESS (Wasser Kresse; Cresson).** The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water; it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Pkt., 15c; oz., 50c; ¼ lb., \$1.60.

## Corn Salad

**FIELD SALAD (Mache-Stick, Salat).** A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.



CORN  
SALAD



# Sweet Corn Is the Supreme Home Garden Crop

Only by Growing Your Own Can You Enjoy It at Its Best

**SWEET CORN** is the home garden crop. Scientists say the sugar content of such a variety as Stowell's Evergreen is 5 per cent; and within thirty minutes after it has been picked, this percentage will begin to decrease through chemical action. Only the home gardener, therefore, can enjoy it at its best, this, the greatest of American table delicacies. Sweet Corn may be sown earlier than field corn. May 1st is usually safe in the latitude of New York and Chicago. Fertilizer will give a good start and an early harvest.

Our special strains of Sweet Corn include Bantam Evergreen, which is a large Golden Bantam, produced by crossing this variety with Stowell's Evergreen; Golden Bantam, a strain larger and earlier than others; 60 day White especially selected for early maturity; **Vaughan's Earliest**, the best variety for the Northern country, and **Early Evergreen**.

**For the Home Garden**—First early, **Vaughan's Earliest**; Golden 60-Day, Golden Bantam, main early crop, Bantam Evergreen followed by Stowell's Evergreen, Black Mexican or by successive plantings of Golden Bantam. A very fine quality early white corn is the 60 Day White, our own growing.

## Yellow

**GOLDEN GEM.** This is an entirely new variety developed by the North Dakota Agricultural College, and is the earliest yellow sweet corn on the market. As compared with Sunshine or 60-Day Yellow it is a week to ten days earlier, producing a smaller ear of an eight and ten-row type. Its productive and early qualities make it an outstanding variety of the yellow sweet corn class. Is an excellent addition to the garden. Pkt. 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., \$3.00.

### GOLDEN 60-DAY.

As early as 60-Day Makegood. It is bred from the Makegood strain crossed with Golden Bantam. Except for its beautiful golden color and slightly pointed ear, it is the same in all respects as our 60-Day Makegood. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.00.

### GOLDEN BANTAM.

Now the most popular of all first early Sweet Corns and planted in nearly every garden. Golden Bantam is about ten days later than Golden 60-Day. Ears are borne two to a stalk, and are about six inches in length with eight rows of kernels on a cob. We grow our seed of this sort on our own farms in Michigan. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.00.

### Extra Selected Strain

Pkt., 20c; ½ lb., 35c; lb., 65c; 2 lbs., \$1.15.

### WHIPPLE'S EARLY YELLOW.

A 14 rowed ear, 7 to 8 inches in length, of good quality, maturing between Golden Bantam and Bantam Evergreen. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.



GOLDEN BANTAM

## Health Value of Fresh Picked Corn

Calories per lb., 459. Vitamines A, B, C, D.

Proteins	3.1%	Fats	1.1%
Carbohydrates	19.7%	Minerals	
Calcium	.006%	Chlorine	.014%
Magnesium	.033%	Sulphur	.046%
Potassium	.113%	Iron	.0008%
Sodium	.040%		

**Early Golden Sweet** A new eight row early yellow of excellent quality. Ten days to two weeks earlier than Golden Bantam, ears a little larger and fully equal in delicious tenderness and flavor. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

**Early Golden Majoram** A new extra yellow, as early as Golden Gem with an ear as large as Golden Bantam. The largest extra early yellow sweet corn. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., \$1.00.

**VAUGHAN'S BANTAM EVERGREEN.** A product of Golden Bantam crossed with Stowell's Evergreen. It has retained the quality of the Bantam and has the more tender skin of the Evergreen. Market gardeners are at last able to sell a merchantable size ear of corn superior to any on the market. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.00.

## White

**VAUGHAN'S EARLIEST.** The earliest medium sized white. The ear is sufficiently high on the stalk to make picking easy, and is of sufficient size so that 5 dozen will make a bag for the market. Recommended for both the home gardener and for the early market gardener. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

**60-DAY WHITE.** Among the many extra early sweet corns recently introduced, this stands out because of its extreme earliness, large ear and good quality. With our Chicago market gardeners who have tried it "60-Day White" has been highly profitable. Height 3 feet, ears 10 to 12-rowed, 6 to 7 inches in length. Pkt., 10c; ½ lb., 25c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.00.

**VAUGHAN'S MAMMOTH WHITE CORY.** One of the earliest; the ears are as long with two to four more rows of kernels set close, so there is no loss of space on the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. Pkt. 10c; lb., 30c; 2 lbs., 50c; 10 lbs., \$1.75.

**HOWLING MOB.** A large-eared fine second early corn. About the same season as Early Champion, ear slightly larger. The kernels are small in size, of delightful flavor. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., \$1.75.

## Pop Corn

**KANSAS SUNBURST.** This pop corn gives the largest amount of pop corn of any yet developed. It is a yellow kernel, 16-row ear, 6 inches long. Handsome to look at, wonderful popping quality, making 26 times its own volume. Developed by the Kansas State College and Dept. of Agriculture over a seven-year period of selection for quality and expansion of popped kernel. Stalks 6 to 6½ feet tall. Matures in 100 to 120 days. 2 to 4 ears to stalk. Seed, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

**SOUTH AMERICAN.** Or Dynamite. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, having excellent popping qualities. Pops to enormous size. Popped kernel has no hard center. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.00.

**JAPANESE HULLESS.** Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.00.

**WHITE RICE.** Pkt., 10c; lb., 25c; 5 lbs., 90c.

**EARLY EVERGREEN.** Very large ears are characteristic of this sort. It is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller sort. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**STOWELL'S EVERGREEN.** The great standard main crop variety of Sweet Corn. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. We have specialized in this grand sweet corn for many years, and we say with confidence our strain is the best that money can buy. Vaughan's Eastern grown seed develops a larger percentage of sugar than seed grown in the Western States. We quote prices here for both.

**Select Eastern-Grown**—Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.25.

**Western-Grown, Eastern Stock Seed**—Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**COUNTRY GENTLEMAN.** Is a late main crop variety. The ears which are 7 to 9 inches long are borne on stalks 6 to 7 feet high. The grain is small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**BLACK MEXICAN.** Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to ten-rowed; ears about 8 inches long; kernels bluish purple to black and rather flat. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

### VAUGHAN'S BLACK SUGAR.

This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this corn its quality is a revelation. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

### ADAM'S EXTRA EARLY.

Not sweet but early. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., \$1.50.

### SWEET CORN FOR SUCCESSION.

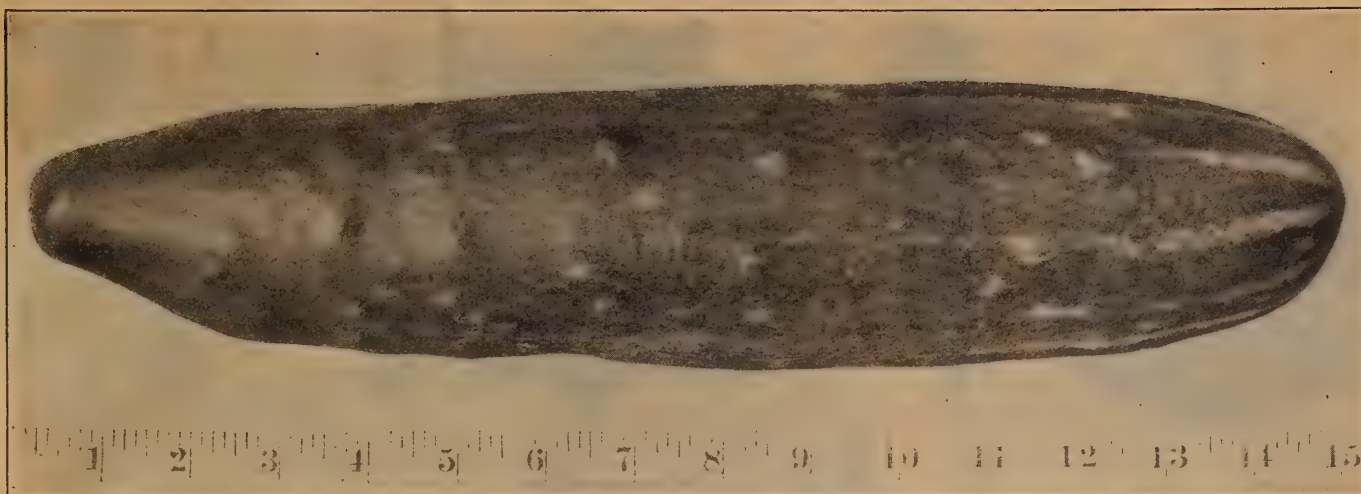
Plant the following varieties at one time and they mature so as to furnish green corn throughout the entire season: Vaughan's Mammoth White Cory, Howling Mob and Early Evergreen. Offer No. C3X. 1 pkt. each (3 kinds) 25c; prepaid.

Our trial ground or experiment department is always anxious to receive criticisms of stocks or strains with an aim to better them. Also, if varieties you are using are not suited for your use, we may be able to help you with suggestions.



STOWELL'S EVERGREEN





TYPICAL FRUIT OF "THE VAUGHAN" CUCUMBER

# Cucumbers for Salads and Pickle

**CUCUMBERS** are close relatives of melons, but mature in about sixty days and may be brought to maturity with little trouble in the home garden.

The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants by liberal applications of Slug Shot, powdered arsenate of lead or tobacco dust. The under sides of the leaves must be sprayed with nicotine to kill aphids.

**For the Home Garden**—"The Vaughan" is the finest table cucumber for the home garden. A pickling variety should be grown for pickles.

**"THE VAUGHAN."** The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Our customers who grow it have greenhouse cucumbers raised out-doors. Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

**CUCUMBER, EARLIEST OF ALL.** A fair size, dark green White Spine. The earliest of good quality we have tried, of especial value in localities where blight prevents the maturing of the late and longer sorts; also of value in the South for first crop. Home gardeners who wish to have the first cucumbers in their neighborhood should try this variety. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**CUCUMBER, EARLY FORTUNE.** An especially fine, medium length White Spine Cucumber much planted in the South for shipment to the Northern markets. It has a fine, dark green color which it holds for a long time after pickling. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE.** Is early, and a heavy yielder; it is a beautifully symmetrical, straight type cucumber, 7-10 inches long. Throughout its entire length, the skin is an attractive, glossy dark green; the flesh firm but tender, with delicious flavor; a great favorite especially in the South. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**DAVIS PERFECT.** Fine length, slimmest, beautiful dark green color, transparent-like flesh with deliciously cool, refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, popular long white spine variety. Its extremely vigorous growth makes it the best blight resister of the long sorts. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**JAPANESE CLIMBING.** This is a distinct variety having a heavy vine and large leaves and being quite resistant to disease and insects. It is a black spine cucumber and may be used for pickling or slicing. It is good quality and of a dark green color when young turning to a russet-yellow when ripe. May be used on a trellis if desired. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**IMPROVED LONG GREEN.** Vaughan's strain is improved and developed by re-selection. The vines are vigorous, and productive; the fruit (12 inches long) is formed almost as early as on the short sorts. The flesh is very firm and crisp and has a distinctive flavor, they make excellent pickles, and when yellow and ripe the best sweet pickles. The best of the "black spine" varieties. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

## Health Value of Fresh Picked Cucumbers

Calories per lb., 79. Vitamines A, B, C, D.  
Proteins .8% Fats .2% Carbohydrates 3.1%

Minerals		
Calcium	.016%	Chlorine .030%
Magnesium	.009%	Sulphur .020%
Potassium	.140%	Iron .0002%
Sodium	.010%	

**IMPROVED WHITE SPINE.** Medium size, straight, always fine yielder; light green. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**ROCKY FORD (Klondyke).** White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper and shipper. Good dark green color. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**EXTRA LONG WHITE SPINE.** A great blight resister. It is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8-12 inches long; with superbly flavored, tender, crisp flesh. It is early, vigorous and prolific. Select Stock, Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.35.

**DELTUS.** A dark green cucumber nearly free from spine, may be used for forcing out of doors. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**FORDHOOK FAMOUS**—White Spine. As long as "Davis," slightly bent but very handsome, twelve to fifteen inches. Quality superb. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.35.

## New Early Fojin

A new variety of superlative quality and the earliest cucumber of good size, maturing in 45 days. The Chinese expert, Dr. Yamei Kin sent us seeds of famous strains which we crossed with white spine varieties. Of the many excellent offsprings we have selected the best and christened it Fojin or Quality. It is of excellent shape, 8 or 9 inches long, 1¼ to 1½ inches in diameter, medium dark green, small seed cavity, and with the flavor for which the Chinese cucumbers are famous. Pkt., 15c; oz., 60c; ¼ lb., \$1.75; lb., \$6.00.



CUCUMBER, FOJIN

## Pickling Type

**WESTERFIELD'S CHICAGO PICKLE.** Since we first introduced this pickle years ago, it has been a distinguished success. The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great pride with us. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.15.

**IMPROVED JERSEY PICKLE.** This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end while in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.15.

**SNOW'S FANCY PICKLING.** This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the West. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**GROW QUICK.** A pickle type similar to Chicago Westerfield in size and shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 15c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**WEST INDIA GHERKIN.** A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 15c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**GREEN PROLIFIC OR BOSTON PICKLING**—Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.15.

	Pkt.	Oz.	¼ lb.	Lb.
Early Cluster	10c	15c	35c	1.00
Early Frame or Short				
Green	10c	15c	45c	1.25

## Odd Cucumbers

**LEMON CUCUMBER.** Not the same as the Garden Lemon, though similar in appearance. It is a real luscious flavored cucumber, a worthy addition to the list. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

**SERPENT OR SNAKE.** A curious, usually much twisted cucumber. Pkt., 10c; oz., 25c; ¼ lb., 75c.

## English Frame Cucumber

**ROLLISON'S TELEGRAPH.** English greenhouse grown. Pkt., 25c.

Cucumber beetles are easily controlled by dusting the young with a mixture of one part calcium arsenate and ten parts lime or gypsum. This should be carefully mixed and applied lightly with a blower, as too thick an application will burn the leaves. Beetles usually infest the blossom ends, and the newly formed blossoms should be dusted until the plants are well established. See pages 98 and 99.

## BOOKS

**CITY AND SUBURBAN GARDENING.** By Chesla C. Sherlock. 155 Illustrations. 196 pages. Cloth, \$2.00.

An inspiring book, written from personal, practical experience by an energetic writer on many subjects, but never more interesting than when he is writing on gardening, in the practice of which he is an expert.





**BLACK BEAUTY EGG PLANT**  
Early, for Northern planting

## Dandelion

**THICK leaf or cabbage variety.** Cultivated for spring greens, is fast gaining favor. Unlike common sorts, almost double usual size.

Pkt., 25c; ½ oz., 40c; oz., 75c.  
**GIANT ERECT.** An upright growing variety, very desirable. Pkt., 25c; ½ oz., 40c; oz., 75c.  
**COMMON.** Pkt., 10c; ½ oz., 30c; oz., 50c.

## Egg Plant

**VAUGHAN'S IMPROVED NEW YORK PURPLE.**

The highest type and most popular—entirely spineless. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Sow Vaughan's seed. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**BLACK BEAUTY.** Twelve days earlier than New York. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome luster. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**FLORIDA HIGH BUSH.** Fruits are higher than others on the vine and not as subject to rot or blight, very uniform in size and good shippers. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**"NEAPOLITAN."** A prized delicacy in Europe, proved to be well adapted to American conditions. In size it averages 3 to 3½ inches in diameter by 6 to 8 inches long. It matures about 10 days earlier than the New York or Black Beauty. Its flavor is superior. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

## Endive

**ENDIVE** is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

**GREEN CURLED SUMMER.** Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40.

**GREEN CURLED WINTER.** Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40.

**MOSS CURLED.** Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40.

**EVER WHITE CURLED.** Very crisp. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.40.

**BROAD-LEAVED WHITE or ESCAROLLE.** Slightly curled. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

## Fennel

**FENNEL, Florence.** An excellent legume with agreeable aromatic flavor, sweet taste and a delicate odor. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

## Garlic

**SELECTED BAVARIAN.** Lb., 30c; 10 lbs., \$2.50. Postage extra. Write for latest market prices on quantities.



**GREEN CURLED ENDIVE**



## Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later.

**DWARF GREEN CURLED KALE.** Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**VAUGHAN'S EXCELSIOR MOSS CURLED KALE.** Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., \$1.25.

**TALL GREEN CURLED.** Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**SIBERIAN.** Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

## Sea Kale

**SEA KALE.** Ready for use earlier than Asparagus, and flavor suggests Celery. Its blanched stalks are cooked like Asparagus or the leaves used as greens. Sea Kale comes usually from seed, but can be grown from off-sets or root cuttings. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. As soon as shoots show above the ground, blanch with earth, boards, sand, etc., until ready for use. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

## Horseradish Sets

**HORSE RADISH.** Roots produce good Radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Doz., 50c; 100, \$3.00; 1000, \$18.00.



**HORSE RADISH**

## Kohlrabi

Sow in April or May, in rows, thin to 8 inches.

The globular fruits grow above ground, are stripped and cooked like Turnips, but are much sweeter.

**EARLY WHITE VIENNA.** White and tender. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

**EARLY PURPLE VIENNA.** Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**SHORT-LEAVED EARLY ERFURT.** For forcing in open ground. White flesh, very tender, short leaves. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75.

## Leek

Leek should always be transplanted. Use a dibber, set the plant deep in the hole and do not fill it up, but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews.

**LARGE MUSSELBURG.** Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**BROAD SCOTCH or LONDON FLAG.** Hardy; a strong plant, with broad leaves. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**LARGE CARENTAN.** Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



**LEEK**



**KOHLRABI**

## Herbs

**ANISE.** Used for garnishing, seasoning and cordials. Pkt., 10c; oz., 25c.

**BALM.** Used for making Balm wine and tea. Pkt., 10c; oz., 50c.

**BASIL, Sweet.** The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 10c; oz., 25c.

**BORAGE.** Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; oz., 25c.

**CARAWAY.** Seeds are used for flavoring. Pkt., 10c; oz., 25c.

**CATNIP or CATMINT.** Grown for bees, also for seasoning. Pkt., 15c; oz., 75c.

**CHAMOMILE (MATRICARIA CHAMOMILLA).** The dried flowers possess medicinal qualities. Prescribed as an emetic and vermifuge. Pkt., 15c; oz., 50c.

**CORIANDER.** The seeds are used for flavoring. Pkt., 10c; oz., 20c.

**DILL.** Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

**FENNEL, Sweet.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 20c.

**HENBANE.** The growing plants are said to absorb malaria germs. Pkt., 10c; oz., 60c.

**HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; oz., 50c.

**LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in making perfumes.

**Lavender (Lavandula vera).** True Lavender. Pkt., 10c; oz., 65c.

**Plants, 3 for \$1.00; doz., \$3.50; 100, \$15.00.**

**Lavender (Lavandula spica).** Not quite so strong as above. Pkt., 10c; oz., 30c; ¼ lb., 85c.

**MARJORAM, Sweet.** The leaves and the end of shoots are used for flavoring and are dried for winter use. Pkt., 10c; oz., 35c.

**MINT.** For mint sauce and juleps. Pkt., 25c; oz., \$2.50. **Plants, 3 for 65c; doz., \$2.50.** By mail, add 5c each; doz., 20c. Strong pot plants.

**PENNYROYAL.** Leaves are used for seasoning. It also has medicinal properties. Pkt., 10c; oz., 60c.

**PEPPERMINT.** The leaves and stems are used for flavoring. Pkt., 25c.

**PIMPINELLA (Burnet).** The young leaves are used as salad; their flavor resembles cucumbers. Pkt., 10c; oz., 30c.

**ROSEMARY.** The leaves are used for seasoning. Pkt., 10c; ½ oz., 75c.

**RUE.** For medicinal purposes; good for roup in fowls. Pkt., 10c; oz., 45c.

**SAFFRON.** Used for coloring and for flavoring. Pkt., 10c; oz., 45c.

**SAGE (Holt's Mammoth).** Plants attain height of 1 ft. the first season. **Plants, 3 for 65c; 12 for \$2.50; 100, \$12.00.** By mail, add 5c each; doz., 20c.

**SAGE SEED.** Leaves and tops are used for seasoning and stuffing. Pkt., 10c; ½ oz., 35c; oz., 65c.

**SUMMER SAVORY.** The leaves and young shoots are used for flavoring, especially for boiled stringbeans. Pkt., 10c; oz., 25c.

**TARRAGON (Artemisia Dracuncululus).** The leaves, dried or fresh, are steeped in ordinary vinegar. **Plants only. Plants, 3 for 85c; doz., \$2.50.** By mail, add 5c each; doz., 20c.

**THYME.** Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; ½ oz., 40c; oz., 75c.

**WOODRUFF or WALDMEISTER (Asperula odorata).** Used in May Wine and also for perfuming clothes. Pkt., 10c; oz., 75c.

**WORMWOOD.** Beneficial for poultry. Pkt., 10c; oz., 45c.





# Leaf, Head and Cos Lettuces

Every Garden Can Grow This Finest of Health Foods

## Health Value of Fresh Picked Lettuce

Calories per lb., 87. Vitamines A, B, C, D. Proteins 1.2% Carbohydrates 2.9% Fats .3%

Minerals			
Calcium	.043%	Chlorine	.074%
Magnesium	.017%	Sulphur	.014%
Potassium	.339%	Iron	.0007%
Sodium			.037%

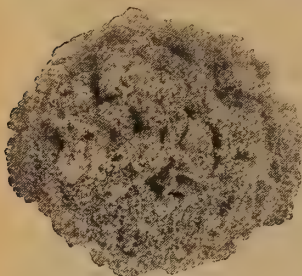
**Big Boston, Earliest Butterhead.** Recommended for Home Gardens in the North, Market Growing in the South

**LETTUCE** which has become a daily necessity on our tables, with the discovery of vitamins is a crop with which the home gardener may excel. Leaf lettuce grows in almost any soil, and since it may be eaten with relish long before it has matured, it usually supplies the first salad of the year. Leaf lettuce gives a maximum of the green leaves which are esteemed especially by dietitians for being rich in Vitamine C. Head lettuce is more difficult to grow, but success is sure if it be started indoors, so that plants may be set out at the time leaf lettuce is sown in the open ground; always provided that the head lettuce have soil which is light and warm, and heavily manured. Water is also essential to rapid and uninterrupted growth. The butter head types are best for early, and the crisp heads, such as New York, Iceberg and Mignonette for the warmer weather.

**For the Home Garden**—Big Boston and All Seasons of the butter heads; Iceberg and New York of the crisp heads, and Black Seeded Simpson, Grand Rapids and Prizehead of the leaf lettuces are recommended, with any of the Cos varieties, which will often succeed where the cabbage heads fail.

## Leaf Lettuce

**GRAND RAPIDS.** This home garden favorite, also extensively planted for hotbed or greenhouse growing, is a curly leaved lettuce of upright habit, permitting close planting. An excellent keeper and shipper. The leaves are light green, daintily curled, tender and crisp. The flavor is delicious. Our selected stock has been bred to



GRAND RAPIDS

a high degree of uniformity in type and season.

**Vaughan's Extra Selected Stock**—Pkt., 15c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**Standard Stock**—Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

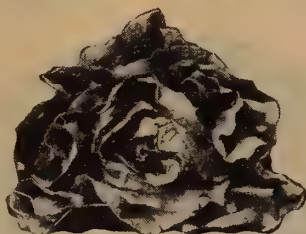
**BLACK SEEDED SIMPSON.** The leaves grow large, the inner ones forming a semi-compact head; they are a handsome green beautifully crumpled, have fine quality, tender, crisp and sweet flavored. May be grown under glass, in cold-frame or open ground. Unsurpassed as a heat resister, and especially adapted to amateur gardeners.

**Vaughan's Selected Stock**—Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

**Standard Stock**—Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**EARLY CURLED SIMPSON.** A white seeded leaf lettuce of excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**PRIZEHEAD.** A popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



BLACK SEEDED SIMPSON

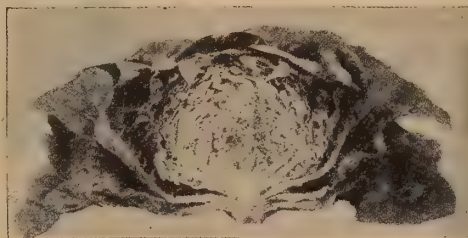
## A Prize for Poultry Keepers

**NEW CHICKEN LETTUCE.** Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. The leaves can be pulled off each stem like a kale. It sends up a stout stalk three or four feet high, loaded with leaves. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

## Head Lettuce

**NEW YORK OR WONDERFUL.** This is the variety grown in California and shipped the year

around to eastern markets. It is the largest of all head lettuces often weighing two pounds. It matures slowly, first forming a conical head which becomes globular, it stands the hot weather well. Because of its size plenty of room must be given between plants. We offer the highly selected strain known on the Pacific Coast as No. 12. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



NEW YORK

**VAUGHAN'S ALL SEASONS.** In 1879 we introduced this distinctive variety. It is still a favorite. Heads are large, solid and handsome, leaves are grayish green, never spotted or brown; they are broad and thick and have decided buttery flavor, the inner leaves blanch beautifully. It stands hot weather well and is slow to run to seed. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**VAUGHAN'S BIG BOSTON.**

With Southern gardeners who ship North, this is considered the best early large heading sort. Its earliness makes it valuable for home gardeners in the north. Large heads of bright green leaves, very tender. One of the best varieties for forcing.

**Vaughan's Selected Stock**—Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**IMPROVED HANSON.** Globe-shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green, the inside tender and sweet, and all crinkled and curled.

For midsummer planting outdoors, this variety is superior resisting drought and heat. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**ICEBERG.** Extremely hard heading, finely indented leaves. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**MAY KING.** Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**WAYAHEAD.** As early as May King, but larger. The head is of golden yellow, and the outer leaves light green. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**CALIFORNIA CREAM BUTTER.** One of the best summer varieties, large solid heads, buttery flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**UNRIVALED.** A light green strain of Big Boston. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**MAXIMUM OR IMMENSITY.** A heat resister and one of the largest, green outside leaves, yellow center. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**BLACK SEEDED BIG BOSTON.** An improved shipping strain of the Big Boston. In demand in Southern lettuce sections. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**MIGNONETTE.** A delicious, crisp, solid, small lettuce. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**TENNIS BALL.** White Seeded. (Boston Market.) A good forcer. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

We carry an extensive line of horticultural books. Write for our book leaflet.

## Romaine or Cos Lettuce

**THIS** type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Esteemed the finest of lettuces in flavor.

**EXPRESS COS.** A Vaughan introduction. The

most dwarf and earliest of all. Delicious flavor. Self-closing.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**PARIS WHITE COS.**

Grows to large size. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**TRIANON COS.** Similar to above, but grows whiter and matures earlier. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



EXPRESS COS



# Melons to Fit Your Growing Season



MILWAUKEE MARKET

**MELONS** are a long season crop requiring for their best development a sandy soil which quickly warms up, a season of 80 to 100 days growing weather, hot sun and ample irrigation.

The list offered on this page includes all varieties of merit, and is so complete that gardeners living in every section of the country may find here a variety with which they can succeed. Seed must not be sown until the ground is warm, and in the North it will pay to start the seed in a hotbed or indoors in paper pots or in a piece of thick turf. Plant in hills, allowing ample room, and thin out the plants to four in a hill when they begin to vine. The cucumber beetle may be kept off with Slug Shot or Pyrox and aphids must be killed with a nicotine spray.

**For the Home Garden**—The varieties which are known to succeed in your locality are recommended, as many conditions enter into success with melons. Milwaukee Market is especially valuable for the home garden, growing to a large size and possessing table quality which few melons equal. The Osage type is usually easier to grow than the Gem type for an amateur.

## Honey Rock (or Sugar Rock)



MELON, HONEY ROCK

A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and matures in 85 days. Oval fruits of medium size, not ribbed. An excellent home garden variety. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**VAUGHAN'S MILWAUKEE MARKET.** This seed we grow in Michigan. For a fine home melon and a market-wagon variety it has no superior. The skin is light green, fruits nearly round with slight sutures, flesh salmon, wonderfully sweet, with almost no stringiness. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**TENDER'S SURPRISE.** This is a large thick-fleshed heavily netted fruit somewhat resembling our Milwaukee Market. Its flavor is wonderfully sweet with almost no stringiness. It matures early and is an excellent home garden variety. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**HALE'S BEST.** An oval shape, heavy netted melon of exceptionally thick meat of salmon color. One of the best shippers. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**VAUGHAN'S ORIGINAL OSAGE.** In heavy soils, where other sorts produce inferior fruits, Osage does well; in sandy soil it is at home. Seldom, indeed, is there a poor quality Osage.

**Selected Stock**—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**Standard Stock**—Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**VAUGHAN'S EXTRA EARLY OSAGE.** Not as large as Vaughan's Original Osage, but at least ten days earlier and of equal quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

**EARLY KNIGHT or Sweet Air.** It is 5 to 6 inches through and 7 to 8 inches long. The netting is good and, crated, it stands long-distance shipping. The flesh is thick, color dark green blending to light pink near the center. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

## Health Value of Fresh Picked Melons

Calories per lb., 180.				Minerals	
Proteins	.6%	Calcium	.017%	Chlorine	.041%
Fats	00%	Magnesium	.012%	Sulphur	.014%
Carbohydrates	9.3%	Potassium	.235%	Iron	.0003%
				Sodium	.061%

**EXTRA EARLY HACKENSACK.** Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.15.

**VAUGHAN'S PAUL ROSE.** Another introduction of Vaughan's Seed Store, the result of crossing Osage and Rocky Ford. It is an ideal marketing melon, and does not break down in shipping. In season it is 10 days earlier than Osage. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.40.

**TIP TOP.** A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow-fleshed melon of the very best quality. It is sweet, juicy, of finest flavor, edible to the very rind. A strong grower, and heavy yielder.

**Selected Stock**—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



HEARTS OF GOLD

**HEARTS OF GOLD.** The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. Quality fine grained, not stringy and of the sweetest flavor. Size and shape—just right, so it may be served cut in halves. Flesh and color—deep orange, extremely thick. As a shipper—uniform, like "peas in a pod." Netting is ideal, heavy and close. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**HONEY DEW.** An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. The skin is perfectly smooth, of a delicate yellow. The flesh is thick and the color blends from a near white at the rind to emerald green at the seed cavity which is of medium capacity.

The flesh is very sweet and juicy and possesses a peculiar honey flavor.

In short season localities it should be started on sods in the hotbed, as it is several weeks later than the Rocky Ford. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter as it ripens after being picked. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**OKA.** This is a variety from Canada, of Hackensack shape—a cross between Montreal Market and Banana—pink flesh and small seed cavity. It was originated by Rev. Father Athanasie, of the Trappist Monastery at LaTrappe, Quebec. It is recommended to home gardeners as a short season melon of excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**GOLDEN CHAMPLAIN.** It is well netted, grows to a good size, is thick fleshed and very sweet. It is recommended for latitudes where seed must be sown after May 15, and a harvest is desired in August. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**BANANA.** Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**RITTENHOUSE SPECIAL.** A medium size, oval melon with prominent ribs, heavy netting, medium thick finely grained pink flesh. Its sweet, spicy flavor is present for some time both before and after maturity. Medium to early. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**VAUGHAN'S OSAGE GEM.** A real gem with salmon colored delicious flesh. The skin is heavily netted like the Rocky Ford and the luscious salmon-colored flesh is of the highest quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**EMERALD GEM.** The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.15.

**MANGO MELON OR VEGETABLE PEACH.** Orange shaped, golden yellow flesh. Makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 25c; ¼ lb., 75c.

## The Rocky Ford Type

**ROCKY FORD NETTED GEM.** Of the green muskmelons Rocky Ford is the recognized standard of excellence. We offer two grades of seed; Vaughan's Selected Stock which is saved from specimens of the highest class market melons, and Standard Stock saved from field-run melons from a crop in which all rogues, or untrue vines, have been discarded.

**Vaughan's Selected Stock**—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**Standard Stock**—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**POLLOCK, 10-25.** Salmon tint. Very uniform of highest quality; vigorous and early. Cuts with a golden center shading to a green at the rind. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**EDWARDS PERFECTO.** "Salmon-Fleshed Rocky Ford." The Perfecto has the deepest flesh, smallest seed cavity and more salmon color than any type of Rocky Ford shipping melon. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50. (Large growers write for quantity prices.)



OSAGE (Introduced by J. C. Vaughan)





KLECKLEY'S SWEET

## Watermelons

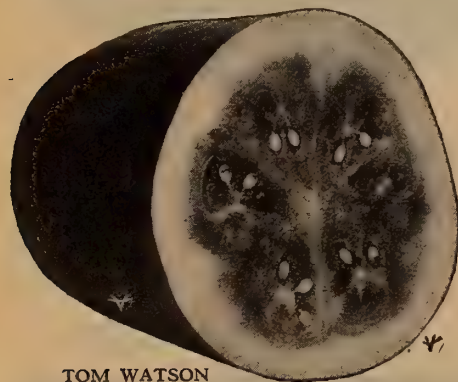
### Short Season Varieties Are Necessary in North

**WATERMELONS** may be grown under favorable conditions in the North though it requires 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines, and use only hand tools in cultivation.

**Stone Mountain** A new round melon having red flesh and free from stringiness. It matures a few days later than Kleckley's Sweet and may be grown in the north. Very productive and excellent for home use. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**NEW WONDER.** The earliest high quality melon for the Northern garden. Similar to Kleckley's in shape, but larger and has harder rind. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**COLE'S EARLY.** The Northern States' favorite. As an early melon it is the standard of high quality. The flesh is rich, deliciously sweet and crisp. It is oblong-shaped, about 20 inches long, 12 inches through; skin mottled green, thin brittle rind, therefore not a good shipper. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00; 5 lbs., \$4.00.



TOM WATSON

**TOM WATSON.** There's delicious sweetness in every bite. The flesh is rich red, crisp and tenderly melting. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00; 5 lbs., \$4.00.

**KLECKLEY'S SWEET.** This is an old established variety. In its culture the greatest care is always taken by us to retain the excellent qualities for which it has become famous. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.15; 5 lbs., \$5.00.

**SWEET SIBERIAN.** A very early variety of Russian origin. The melon is dark, of medium size, with yellow flesh of superb quality. Gardeners in the North will find the Siberian a treasure. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**NEW CHILIAN.** Attractive, of medium size, nearly round, skin deep green, faintly mottled and striped, stripe of brighter shade. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**IRISH GREY.** A mottled greenish grey, every melon very distinct. A fine shipper and the equal of any in sweetness and quality. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25; 5 lbs., \$5.00.

**PRIDE OF MUSCATINE.** See novelty page 12. Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.25.

**SWEETHEART.** Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**CITRON.** For preserves. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**HARRIS EARLIEST.** Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**HALBERT HONEY.** A variety somewhat similar to Kleckley's Sweet—of much darker color. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**ALABAMA SWEETS.** A Southern favorite. Oblong in shape, dark green skin, the seed is white. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**WINTER WATERMELON.** Size of Honey Dew, having its long-keeping qualities. Very early, prolific and excellent flavor. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

**OTHER GOOD WATERMELONS.** The following varieties are especially adapted to conditions in certain parts of the country. Ask market growers in your neighborhood for recommendation.

**EARLY FORDHOOK.**

**ICE CREAM OR PEERLESS.**

**McIVER'S WONDERFUL SUGAR.**

**RATTLESNAKE OR GYPSY STRIPED.**

**FLORIDA FAVORITE.**

**MOUNTAIN SWEET.**

Any of above: Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

## Mustard

Leaves useful as salad or boiled like Spinach

**CHINESE SMOOTH.** Large, light green, smooth leaves, borne well above the ground. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 85c.

**FLORIDA BROADLEAF.** Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 85c.

**GIANT SOUTHERN CURLED.** Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 85c.

**IMPROVED OSTRICH PLUME (Fordhook).** The handsomest of the mustards. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**WHITE.** Good for general use. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 65c.

## Tendergreen

**TENDERGREEN.** A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is the only vegetable that is ready for table or market in 21 to 25 days after planting, and will produce 8 to 9 crops a year. An excellent addition to the list of greens. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 85c; 5 lbs., \$3.75.

## Grow Your Own Mushrooms

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We print and give FREE with orders for our Mushroom Spawn a leaflet, "How to Grow Mushrooms." We supply the highest quality of Mushroom Spawn to the largest commercial "caves" in the country, both from our Chicago and New York stores.



Ask for Directions, How to Grow Mushrooms on Lawns and Pasturelands.

**LAMBERT'S NEW PROCESS SPORE CULTURE SPAWN.**

No. 7 BROWN (Bohemian).

No. 8 CREAM (Columbian).

No. 9 WHITE (Alaska).

Price per brick (weight about 1 lb.), 35c; 5 bricks for \$1.50; 10 bricks for \$2.75; 25 bricks for \$5.50.

**BOTTLE SPAWN.** Pure white, per bottle, \$1.00; per doz. bottles, \$9.00.

If to go by mail add postage at parcel post rate. Each brick or bottle, 1 lb.

**MUSHROOM CARTONS.** Lb. size, \$1.75 per 100; add postage at zone rate, 100 cartons weighing 11 lbs.

## Okra

**OKRA** pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

**WHITE VELVET.** Produces pods larger than any other. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**TALL or PERKINS MAMMOTH.** The long pods, measuring 4 and 5 inches, are produced in great quantities. Pkt., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**DWARF.** Grows low but stocky and is very productive. Pkt., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**DWARF LONG POD.** Same as Dwarf but taller, pods longer. Pkt., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.



OKRA



SOUTHPORT  
YELLOW GLOBE

**ONION SEED** may be sown as soon as the ground can be prepared. If extra large onions are desired in Northern latitudes, seed may be sown in hotbeds or indoor boxes. It is best to transplant them into paper pots and allow their roots to become well established before setting them in the garden. By this method such varieties as Prizetaker and Ailsa Craig can be grown to extraordinary size. Amateurs can thus produce in their own gardens in the short Northern season, bulbs much larger than the so-called Spanish onions grown in the South and of the same mild flavor. It should be attempted only where the soil is favorable and irrigation possible. If onion seeds are sown in the open at the same time onion sets are put in the ground, the home garden may enjoy young onions from seed in midsummer, thinning out the rows for this purpose.

**SOUTHPORT YELLOW GLOBE.** The Vaughan strain of this ball-shaped onion is the most uniform on the market today. Our Eastern seed bulbs are hand sorted and grown under our direct supervision. The ideal Golden Yellow market onion. **Eastern-Grown Seed—Finest type;** sold by us for many years. Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50; 5 lb., per lb., \$2.35.

**California-Grown Seed—**Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25, by express over 5 lbs., per lb. \$2.00.

GOLDEN  
GLOBE

### Golden Globe

An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures, same time as Southport Globe. From sets it matures much earlier. Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50. Sets, qt., 35c; 2 qts., 60c.

# Onion Seeds, Sets, and Plants

## Health Value of Onions

Calories per lb., 220.

Vitamines A, B, C, D.

Proteins	1.6%	Calcium	.034%	Minerals		
Fats	.3%	Magnesium	.016%	Chlorine	.021%	Iron .0006%
Carbohydrates	9.9%	Potassium	.178%	Sulphur	.070%	Sodium .016%

### EARLY WHITE WELSH ONION.

The best winter bunching onion, forms no bulb. Plants can be propagated from seeds or divisions. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

### WHITE BUNCHING ONION.

A European onion for early spring and summer bunching. Makes a very nice white tender stalk. Sow at same time as Ideal White Globe. Pkt., 05c; oz., 30c;  $\frac{1}{4}$  lb., 85c; lb., \$2.75.

### VAUGHAN'S IDEAL WHITE GLOBE.

A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00; 5 lbs., per lb. \$2.75.

### JAPANESE OR EBENEZER.

There has been a tremendous demand for this yellow skinned Onion for the growing of Onion Sets. Japanese Onion Sets produce a much larger tonnage of marketable Onions than does the old Strasburg or Danvers. Moreover, a smaller per cent of the sets run to

seed. Ebenezer is a fine keeper, mild and well flavored. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.25.

### PRACTICAL PLANT PROPAGATION.

By A. C. Hottes. 224 pages, 106 illus. Cloth. . . . . \$2.00

An exposition of the art and science of increasing plants as practiced by the nurseryman, florist and gardener. Simple and comprehensive.

**SOUTHPORT RED GLOBE.** A little deeper than Southport Yellow Globe, in color a rich dark red. California grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.25; by express over 5 lbs., per lb., \$2.00.

### VAUGHAN'S SPECIAL YELLOW GLOBE.

("MOUNTAIN" DANVERS.) Early, slightly smaller than Southport, a fine market onion. When aphid damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.35.

JAPANESE OR  
EBENEZER

## Flat and Miscellaneous Types

**EXTRA EARLY FLAT RED.** One of the handsomest red onions, and will ripen two weeks earlier than other strains. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c; lb., \$3.00.

**BROWN AUSTRALIAN (Flat).** A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder, and a long keeper; keeps well in warm climates. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 50c; lb., \$1.50.

## Italian Onion Seed

**VAUGHAN'S PICKLING.** One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.25.

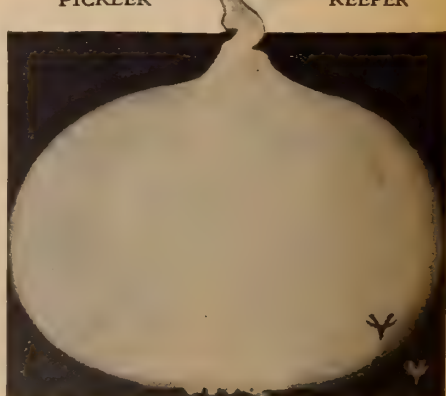
**WHITE PEARL.** Remarkable for earliness and very mild flavor, it is small and white-skinned. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**WHITE BARLETTA.** Beautiful waxy white. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**STRASBURG OR YELLOW DUTCH.** Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown, and has no superior. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$1.75.

Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you backyard Bermudas with little trouble.

**WHITE PORTUGAL OR SILVERSKIN.** This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.25.

GOOD  
PICKLERFINE  
KEEPER

WHITE PORTUGAL



ONIONS—Continued

**PRIZETAKER—AMERICAN GROWN.** Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become thoroughly acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 5c; oz., 25c; ¼ lb., 65c; lb., \$2.25.

**LARGE RED WETHERSFIELD.** An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**FANCY YELLOW GLOBE DANVERS.** This onion is a standard among the large types; it is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe-shape that it passes for globe on the market, and being several weeks earlier than Southport Globe, it sells for the higher early market prices. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

LARGE, RED WETHERSFIELD



**CRYSTAL WHITE WAX.** This is a pure white flat onion, very popular in the South, especially in Texas. Also does well in the North. Very sweet. Teneriffe seed. Pkt., 15c; oz., 40c; ¼ lb., \$1.15; lb., \$3.50.

**YELLOW BERMUDA.** In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Pkt., 15c; oz., 35c; ¼ lb., \$1.00; lb., \$3.25.



EGYPTIAN WINTER ONIONS

**GIANT GIBALTAR.** A variety similar to Prizetaker. We offer American-grown seed raised from bulbs produced from European seed. The strain runs slightly larger in size than the usual run of Prizetaker. Pkt., 10c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

**RIVERSIDE SWEET SPANISH.** This is a California grown strain of the Spanish (Denia) onion. With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4½ pounds. Pkt., 15c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

**RIVERSIDE WHITE SPANISH.** Size and shape same as Yellow Riverside. Pkt., 15c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

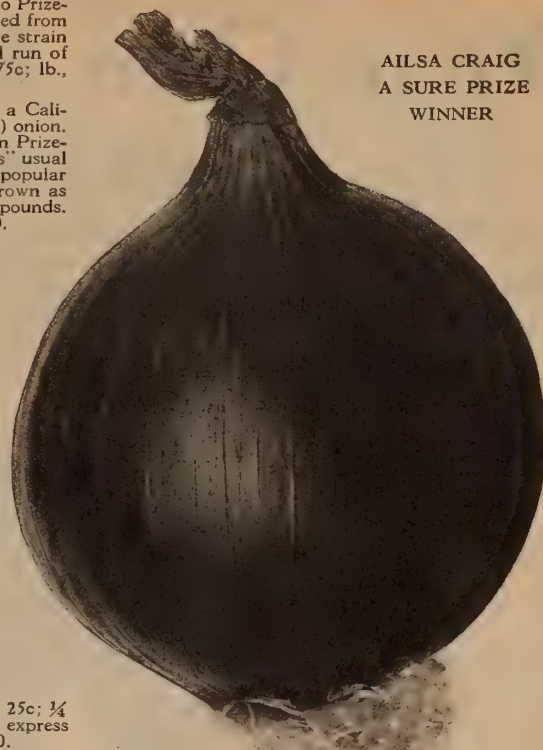
**YELLOW GLOBE DANVERS.** Same as Fancy Y. G. Danvers, except that it does not run as globe-shaped, but color, ripening and keeping are identical. Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., \$2.25.

**MAMMOTH SILVER KING.** Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape; flat, but thick. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**OHIO YELLOW GLOBE.** Another of Vaughan's success-winning, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outclasses the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite with all growers. High vitality. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.25; by express over 5 lbs., per lb., \$2.00.

**AILSA CRAIG—** Vaughan's Selected Stock. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globular and it forms a fine thick neck which tells of its bred-in fine quality;

AILSA CRAIG  
A SURE PRIZE  
WINNER



it is, for a large onion, a splendid keeper; for eating raw it has no superior. It is mildly pungent in flavor, sweet and desirable. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**Back Yard Vegetable Seed 50¢**  
Collection, 8 Varieties

One packet each of the following varieties: Beans, Beets, Chard, Carrot, Lettuce, Peas, Radish, Parsley, 8 packets for 50c.

**Onion Sets and Plants**

**YELLOW POTATO ONION SETS.** Grown for young onions. Pt., 20c; qt., 30c; ½ pk., 75c; pk., \$1.25.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For further zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.

**THE first home garden harvest in the spring is young onions from sets. If perennial sets are planted in the fall, a crop is reaped long before the first outdoor seeds have sprouted. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.**

**WHITE BOTTOMS.** Pt., 20c; qt., 30c; ½ pk., 75c; pk., \$1.25.

**YELLOW BOTTOMS.** Pt., 15c; qt., 25c; ½ pk., 60c; pk., \$1.00.

**RED BOTTOMS.** Pt., 15c; qt., 25c; ½ pk., 60c; pk., \$1.00.

**EGYPTIAN OR RED PERENNIALS.** These we sell only in the Fall. Planted then, they produce very early green onions. Pt., 25c; qt., 40c; ½ pk., 90c; pk., \$1.50.

**WHITE MULTIPLIERS.** For First Early Spring Bunching Onions. They are pure silvery white, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb. Pt., 25c; qt., 40c; ½ pk., 90c; pk., \$1.50.

**SHALLOT'S OR YELLOW MULTIPLIERS.** Flavor much superior to ordinary onions. Pt., 15c; qt., 25c; ½ pk., 65c; pk., \$1.15.

**GOLDEN GLOBE.** Sets, qt., 30c; 2 qts., 50c.

**Bermuda Onion Plants**

These are new, and especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern garden, to produce sweet, mature onions of Bermuda quality. Ready April 1st. Per 100, 30c, post paid. Per 1000, \$2.00, postage extra; wt., about 6 lbs.



WHITE ONION SETS



# Your Own Peas Are Sweetest

## Health Value of Fresh Picked Peas

Calories per lb., 454. Vitamines A, B, C, D. Proteins 7.0% Fats .5% Carbohydrates 16.9%

Minerals			
Calcium.....	.028%	Potassium.....	.285%
Magnesium.....	.038%	Chlorine.....	.024%
		Sodium.....	.013%
		Sulphur.....	.063%
		Iron.....	.0017%

### PEAS are a cool-weather crop.

They should be sown when the ground is ready to work, without delay. The smooth seeded sorts will stand cold and freezing weather without rotting in the ground, but they are not so tender or sweet on the table as the wrinkled kinds, which are more risky in the wet soil, but still worth taking a chance to get early. Dwarf peas are best suited for the garden where space is scarce. They are early and bear well. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart. Closer sowing will produce no greater crop. Peas must be cultivated faithfully and when the first crop is finished, they should be pulled up for they will bear no more.

**For the Home Garden**—Little Marvel, Laxtonian, and American Wonder are excellent dwarf varieties requiring no support and yielding well.

## Dwarf

**LITTLE MARVEL.** The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.50.

**NOTT'S EXCELSIOR.** Almost as early as the round seeded varieties—only 2 to 3 days later—but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. The vines are vigorous and very prolific. It is easily grown, requires no support and is desirable for the home garden. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**LAXTON'S PROGRESS.** The earliest and by far the best of the large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Blue Bantam, Hundredfold, Pioneer and Laxtonian. It is an improvement upon Laxtonian, which has hitherto been the finest of the dwarfs for table quality. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.50.

**IMPROVED STRATAGEM.** Long dark green pods, produced on vines 2 feet high, of strong, vigorous growth; matures mid-season; pods are filled with peas of immense size, and delicious sweetness and flavor. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**SUTTON'S EXCELSIOR IMPROVED.** Is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. It is very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, and dark green color. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.



LITTLE MARVEL

**LAXTONIAN.** The New Dwarf Gradus. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, tall, has large pods like "Telephone," which are filled with the finest flavored peas. Laxtonian is in season a few days later than the first earlies. It is really a Giant Podded Early Dwarf in a class almost by itself, for size, appearance and productiveness. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.50.

**AMERICAN WONDER.** Is an extra early dwarf wrinkled pea, of standard quality. The vines are dwarfer than Nott's Excelsior, being only 10 to 12 inches high. Pods are firm and well filled with peas of splendid quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**EXTRA EARLY PREMIUM GEM OR LITTLE GEM.** An extra dwarfed wrinkled pea, not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods, 3 inches long, filled with peas of fine quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**HORSFORD'S MARKET GARDEN.** Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no brushing, and is a heavier producer. The pods are well filled with peas of fine quality. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**JUNO OR DWARF CHAMPION.** Main crop dwarf wrinkled pea, of hardy, vigorous and prolific

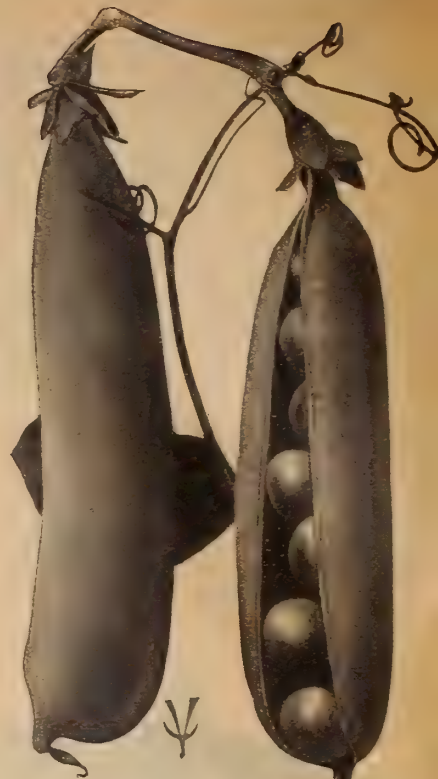
growth. Long pods, each contain 7 to 10 peas of very best quality. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**DWARF TELEPHONE OR DAISY.** A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**VAGHAN'S DWARF DEFIANCE.** Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

## BOOKS

**GARDENING UNDER GLASS.** By F. F. Rockwell. 85 illustrations. 304 pages. .... \$2.50  
Through the agency of a small greenhouse you can have fruits and vegetables of superb quality out of season. Roses and Carnations in mid-winter. Palms and Ferns all the year around.



ALASKA, EARLIEST, SMOOTH SEEDED

## Medium Height

**A HEAVIER** yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow three feet high and should be given support of chicken wire, or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much will be found to be of good table quality.

**For the Home Garden**—Vaughan's Select Extra Early and Alaska for the smooth-seeded sorts and World's Record and Thomas Laxton of the wrinkled type are excellent varieties.

**WORLD'S RECORD OR IMPROVED GRADUS.** Gradus is the greatest of the wrinkled peas; it is large, early and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich tender peas in each. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**VAGHAN'S SELECT EXTRA EARLY.** (First and Best.) (Maud S.) Vines are 20 to 26 inches high, pods 2½ to 3 inches long, each having 5 to 7 peas. The delicious sweetness, rich flavor and tenderness are the qualities for which our strain is known. Seed white, round and smooth; crop ripens evenly and extra early. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**THOMAS LAXTON.** This is a selection of Gradus. The season is identical but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**ALASKA—CALLED EARLIEST OF ALL.** Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**THE AMEER.** Very popular with truckers in the South. The peas are smooth, 2 or 3 days later than Alaska, and the pods are almost twice as large. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**SURPRISE—The Earliest Pea of Quality.** In season two days later than Alaska. Being a wrinkled pea, it cannot be planted in soil so cold as smooth peas. the pods are of good size. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.



THOMAS LAXTON



# Tall Peas Yield Best

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequaled for length of season, heavy yielding and high quality. Support should be given, and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

**For the Home Garden**—Improved Telephone and Alderman will give peas of a size and quality sure to win the envy of your neighbors and the prizes at the garden show.

**VAUGHAN'S IMPROVED TELEPHONE.** Of the tall-growing varieties of late peas. "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**CHAMPION OF ENGLAND.** This is a late season tall pea. The vines grow about 5 feet high, are very vigorous and productive. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**ALDERMAN.** This mid-season pea is tall-growing of English origin, and a few days later than "Vaughan's Improved Telephone." Exceedingly vigorous and immensely prolific. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**EVERBEARING.** For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.25.

**BLACK-EYE MARROWFAT (Late).** A great yielder of ordinary quality peas. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00.

**WHITE MARROWFAT.** Similar to Black Eye. Popular heavy yielder. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., \$1.75.

## Edible Pod Peas

(Cooked like String Beans)

**MAMMOTH PODDED SUGAR.** A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., \$2.50.

**DWARF GRAY SUGAR.** Vines 16 inches. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., \$2.50.

Three varieties of peas to be planted at the same time to mature successively.

**LAXTON'S PROGRESS**  
**IMPROVED TELEPHONE**  
**CHAMPION OF ENGLAND**

1 pkt., each of above, 25c, post-paid.  
1 lb., each (3 lbs.) of above, \$1.10. Exp. not prepaid.  
2 lbs., each (6 lbs.) of above, \$1.90. Exp. not prepaid.  
10 lbs., each (30 lbs.) of above, \$7.25. Exp. not prepaid.

Larger quantities of all Peas at 10-lb. rates.

## Every Gardener Should Know

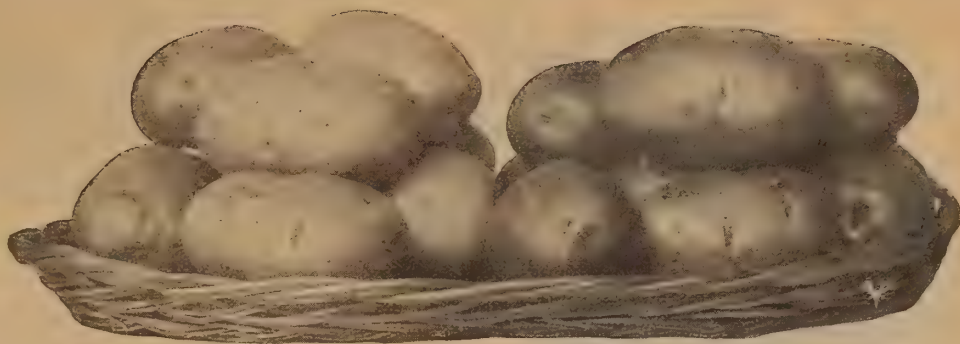
That Peas, Beans and Sweet Peas belong to the Legume family—plants that bear their seed in a pod. All legumes form a partnership at the roots with bacteria that are able to secrete nitrogen and give it to the plant. They form on the roots in colonies looking like lumps, called nodules. To stimulate these germs it is necessary to "inoculate" the seed. All agricultural authorities advise inoculation of legumes.



Garden Size, 25c



IMPROVED  
TELEPHONE



IRISH COBBLER

VAUGHAN'S IMPROVED EARLY OHIO

# Northern Potatoes

**Certified Stock.** We offer Michigan and Minnesota certified stock inspected while growing by authorized state agents and found free from serious diseases and varietal mixture and from vigorous fields. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed.

The prices in this catalog represent values at the time this book went to press and are subject to market changes.

Success with potatoes in the home garden requires a rich fairly light soil, not limed and free from fresh manure. Fertilizer strong in potash should be applied and spraying should be done thoroughly. The early varieties may be sown as soon as the soil can be prepared. The first spraying, with Bordeaux Mixture or Pyrox, should be given when the sprouts are a few inches high.

**For the Home Garden**—Early Ohio and Irish Cobbler are the best early varieties, the former in the East and the latter in the West. One of the rural type is recommended for the late crop.

**Certified Stock** of any variety listed. ½ pk., 45c; pk., 80c; ½ bu., \$1.35; bu., \$2.50; 100 lbs., \$4.00.

**GREEN MOUNTAIN.** Late, maturing in 140 days. It is a drought resister and makes remarkable crops on poor soils. A loose soil is recommended. In loam it produces tubers of large size and attractive appearance, white fleshed. ½ pk., 35c; pk., 60c; ½ bu., \$1.10; bu., \$2.00; 100 lbs., \$3.00.

**VAUGHAN'S IMPROVED EARLY OHIO (RED).** A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. ½ pk., 30c; pk., 50c; ½ bu., 95c; bu., \$1.75; 100 lbs., \$2.75.

**EXTRA EARLY SIX WEEKS**—The standard early potato in the South. It is round, reddish skinned, rather deep eyes and of medium size. As they appear early in the spring on the northern market they command a large premium. ½ pk., 30c; pk., 50c; ½ bu., 95c; bu., \$1.75; 100 lbs., \$2.75.

**IRISH COBBLER—EARLY HEAVY CROPPER.** An early of medium size, and in light soil maturing almost as soon as the smaller cropping Earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota. ½ pk., 30c; pk., 50c; ½ bu., 95c; bu., \$1.75; 100 lbs., \$2.75.

**RURAL NEW YORKER, No. 2.** Very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size. Known everywhere as "Dusty Rural." ½ pk., 30c; pk., 50c; ½ bu., 95c; bu., \$1.75; 100 lbs., \$2.75.

**RUSSET RURAL OR PETOSKEY.** A superb late variety. Remarkable on account of its freedom from disease. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for cooking qualities. ½ pk., 30c; pk., 50c; ½ bu., 95c; bu., \$1.75; 100 lbs., \$2.75.

**CARMAN No. 3.** A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. ½ pk., 30c; pk., 50c; ½ bu., 95c; bu., \$1.75; 100 lbs., \$2.75.

## Sweet Potatoes

We offer Yellow Jersey (the most popular northern sort). Grown especially for seed. 10 lbs., \$1.25; bu., \$3.00; by express collect only.

# Pumpkins

**SOW** when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o'-lanterns.

**VAUGHAN'S SMALL SUGAR PIE PUMPKIN.** Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**VAUGHAN'S MAMMOTH PRIZE.** Specimens have grown to 100 lbs. Notwithstanding it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**WINTER QUEEN OR WINTER LUXURY.** A quality pie pumpkin and the best Winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**JAPANESE PIE.** Fine quality, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

**GOLDEN OBLONG.** Flesh yellow. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

**SWEET POTATO.** Bellshaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.50.

**LARGE TOURS OR MAMMOTH FRENCH.** Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



VAUGHAN'S SMALL SUGAR PIE

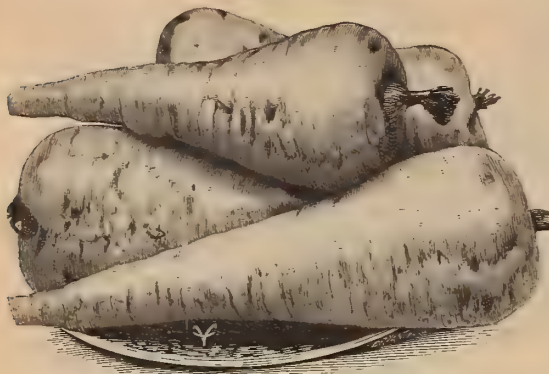
**CALHOUN.** A fine pie variety. Pkt. 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**LARGE CHEESE.** Large, flat like a cheese box. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**LARGE FIELD OR "BIG TOM."** The standard pumpkin grown in corn fields for a feeding crop. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

**CUSHAW WHITE OR CUSHAW STRIPED.** Popular Southern sorts; fine flavor. Either one, Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.





VAUGHAN'S MARROWFAT

### Health Value of Fresh Pulled Parsnips

Calories per lb., 294. Vitamines A, B, C, D.		
Proteins 1.6% Fats .5% Carbohydrates 13.5%		
Minerals		
Calcium	.059%	Chlorine .030%
Magnesium	.034%	Sulphur .036%
Potassium	.518%	Iron .0006%
	Sodium .004%	

## Parsnips

**PARSNIPS** may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide.

**VAUGHAN'S MARROWFAT PARSNIPS.** The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high-class variety. In richness of flavor it is unequalled. For exhibition purposes it is a winner. Pkt., 10c; oz., 20c; ¼ lb., 45c.

**MAGNUM BONUM.** A greatly improved strain of "Hollow Crown" Parsnip. As a money-maker for market men we recommend it. It is a heavy cropper, the roots are smooth, but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 10c; oz., 15c; ¼ lb., 40c.

**HOLLOW CROWN, LONG SMOOTH.** (Abbott's Improved.) Smooth, large, tender and sugary; one of the best. Our strain is a good selection. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**IMPROVED GUERNSEY.** An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c.

**VAUGHAN'S NEW INTERMEDIATE.** This new sort does not require soil so deep for its cultivation as the older sorts. It is quite equal in quality to the older varieties although the roots are only one-half to two-thirds as long under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested. Pkt., 10c; oz., 15c; ¼ lb., 40c.

## Parsley

**PARSLEY** should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

Rich and mellow soil is desirable for best results. When the plants are well up thin to 8 to 12 inches in the row. When the plants of the curled varieties are about three inches high, cut off all the leaves. New growth will be brighter and better curled.

The rooted parsley provides excellent flavoring for soups and stews.

**FERN LEAVED.** Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., \$1.50.

**VAUGHAN'S CHAMPION MOSS CURLED.** In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., \$1.50.

**VAUGHAN'S XXX PARSLEY.** The daintily curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. It also is valuable in the hotbed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe where the seed is grown. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**PLAIN or ITALIAN.** The leaves are not curled. However, the flavor is excellent and plant is very hardy. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**HAMBURG ROOTED or GERMAN.** The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups. Our strain is of exceptional quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**DOUBLE CURLED.** A very fine dwarf, handsome green, curled variety. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

## Peppers Sweet or Hot

**LIKE** egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family.

**California Wonder** A mild, sweet, mid-season variety, very large, measuring 4½ inches in length by 4 inches in diameter. It resembles Chinese Giant in form, but has an extremely thick flesh which that variety does not; crimson fruit. One of the heaviest peppers grown, not as prolific as some but much more desirable. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.25.

**VAUGHAN'S GIANT MAGNUM DULCE.** This fine pepper has appropriately been styled the "Salad King." But it is not in salad form alone that it excels. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat, such as ground steak with onions or other seasoning. Sliced and fried as egg plant, it is a delicious dish, or it may be eaten raw, it is so mild. It can be grown to immense size—seven inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.25.

**WORLD BEATER.** A large sort, a cross between Chinese Giant and Ruby King, having the longer shape and earliness of the latter with the size of the former. Fruits 5 inches long by 3½ in diameter; flesh thick and mild; very productive and a good shipper. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

**HARRIS' EARLY GIANT.** This is the heavy yielding among the large peppers. It is also earlier than other large kinds. The plants are vigorous, 18 inches to 2 feet tall; and the peppers 3½ by 5 inches. Color, deep green turning to red; flesh thick and very sweet. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., \$2.25.

VAUGHAN'S  
XXX  
PARSLEY

HARRIS EARLY GIANT

### Health Value of Fresh Picked Peppers

Calories per lb., 109. Vitamines A, B, C, D.		
Proteins 1.1% Fats .1% Carbohydrates 4.6%		
Minerals		
Calcium	.006%	Chlorine .013%
Magnesium	.010%	Sulphur .014%
Potassium	.139%	Iron .0004%

**CRIMSON GIANT.** An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one-half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe; flesh thick, sweet, and mild. Pkt., 10c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.50.

**CHINESE GIANT.** This standard variety is larger than "Ruby King," but not so large as "Magnum Dulce." It is very prolific for so large a pepper. The productiveness may be increased by pinching off the first or "king blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe. Pkt., 20c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.50.

**HUNGARIAN.** A long, slender type of hot pepper much prized for canning. It is 1½ inches in diameter at the base and tapers to a point. The fruits are often 10 inches long, and are a pale green turning to a rich red at maturity. Pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.50.

**RUBY KING.** One of the most popular varieties, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and are among the best sorts for pickles. Quite sharp in flavor. Pkt., 5c; oz., 45c; ¼ lb., \$1.25.

**BULL NOSE, HOT.** A pungent very early pepper. Pkt., 10c; oz., 45c; ¼ lb., \$1.40.

**PIMENTO.** Flesh extremely thick and very mild. Must be started early in the North to mature. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

**LARGE BELL.** Large blocky fruit, usually mild. Pkt., 5c; oz., 45c; ¼ lb., \$1.40.

**CAYENNE.** Long, red and very hot. Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

**VAUGHAN'S SWEET MOUNTAIN.** The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh, is very mild and thick. The peppers often grow 6x4 inches. Pkt., 10c; oz., 45c; ¼ lb., \$1.50.

## Other Pepper Sorts

**NEAPOLITAN.** Early and productive. Flesh thick and mild. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

**SWEET SPANISH MONSTROUS.** Very mild to the taste. Late maturing. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

**GOLDEN QUEEN.** Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

**TABASCO.** Hottest of all. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

**RED CHILL.** Good hot pickling. Pkt., 10c; ½ oz., 50c; oz., 75c; ¼ lb., \$2.25.



# Radishes the Season Through

## Health Value of Fresh Pulled Radishes

Calories per lb., 133.	Vitamines A, B, C, D.		Proteins 1.3%	Fats .1%	Carbohydrates 5.8%
Minerals:					
Calcium.....	.021%	Potassium.....	.218%	Sulphur.....	.041%
Magnesium.....	.012%	Chlorine.....	.054%	Iron.....	.0006%
		Sodium.....	.069%		

**RADISHES** supply the first home garden harvest in the spring, and winter radishes may be enjoyed as late as New Year. Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner; so they must be harvested promptly and will not enjoy hot weather. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather.

**EARLY SCARLET GLOBE FORCING (F).** Vaughan's Glass-house Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright, scarlet in color, of uniform globe-shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

**Vaughan's Select Stock—Pkt., 15c; oz., 25c; ¼ lb., 45c; lb., \$1.25.**

**Standard Stock—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

**SCARLET TURNIP WHITE TIP.** Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color, with white tip and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

**Vaughan's "Sparkler" Strain for Open Ground—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.**

**Standard Stock—Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 75c.**

**SAXA (F).** This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., \$1.25.

**EARLIEST WHITE TURNIP OR WHITE BOX (F.)** Good for forcing or open ground, tops are short and tap root thin. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.10.



EARLY SCARLET GLOBE



RADISH, GIANT BUTTER



ICICLE,  
FINEST OF WHITES

**EARLIEST WHITE OLIVE (F).** Earliest of all radishes—matures in 15 to 18 days after sowing. This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**EARLIEST CARMINES TURNIP (F).** The best and quickest all-red turnip-shaped radish, matures in about 21 days. For forcing under glass it excels, and for outdoor planting in the home garden it is one of the best. Crisp, sweet and tender, leaves very short. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**Giant Butter** This is by far the largest of early turnip radishes. By careful selection, has been bred true to type. It is vivid scarlet and stands for an unusually long period without becoming pithy and is highly recommended for home gardens. Can be planted throughout the summer. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**EARLY LONG SCARLET SHORT TOP.** A long, straight, smooth, red radish; it grows partly above ground; developing a long, tender crisp and sweet root. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

**CRIMSON GIANT (F).** For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**BRIGHTEST LONG SCARLET.** This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

**Vaughan's ALL SEASONS.** May be sown from spring to autumn and used at all stages of growth; a round scarlet. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.10.

**Vaughan's 20-DAY (F).** The quickest Red Olive-shaped radish, matures in 20 days; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

**IMPROVED FRENCH BREAKFAST (F).** Early olive shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

**ICICLE.** The finest white which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c.

## (F) Forcing Sorts

**Vaughan's CARDINAL FORCING (F).** Of Globe-shaped sorts it is the handsomest; it is larger and more evenly shaped and has also a richer red colored skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

**CINCINNATI MARKET.** A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**EARLY DEEP SCARLET TURNIP.** An old standby. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**EARLY SCARLET GLOBE WHITE TIP.** Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.10.

**GOLDEN YELLOW SUMMER.** Smooth. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

## Summer Radishes

Grow larger than early radishes and remain in good condition longer. All of the following: Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

**IMPROVED CHARTIER.** Somewhat resembling Brightest Long Scarlet. It is double the size and later; long scarlet tipped with white.

**LONG WHITE VIENNA.** Snow white, very brittle and crisp.

**WHITE STUTTGART.** A turnip-shaped, large white radish.

**WHITE STRASSBURG.** Larger size and thicker than Vienna. Very solid.

## Winter Radishes

Do not sow these until the latter part of June

**THE MUNICH.** The German knows this as the Beer Radish. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

Prices of each of the following: Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

**CALIFORNIA MAMMOTH WINTER.** Long, very large size.

**ROSE OR SCARLET CHINA.** Rose, medium size, fine keeper.

**CHINESE MAMMOTH OR CELESTIAL.** Immense size, flesh always crisp and mild.

**BLACK SPANISH, LONG.** Black skin and white flesh.

**BLACK SPANISH, ROUND.** Like Long Black, only round.

**SAKURAJIMA.** A Japanese radish of immense size. In shape it is oval with cream-colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Sow in May. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Onion Sets, producing the succulent "Early Green Onion," is the one crop which offers quicker returns than radishes in the garden—page 27.

**Giant Butter** is the largest early globe, and does not turn pithy soon.



SCARLET TURNIP WHITE TIP

## DICTIONARY OF BOTANICAL NAMES

By George Frederick Zimmer  
English. 128 pages, Cloth, \$1.50.

This work gives principally the names of species of plants. Also many of the botanical terms used in the description of plants. Arranged in alphabetical order, all information is easily and quickly read. For the amateur and professional. Does not give pronunciation.



## Rhubarb

**VAUGHAN'S MAMMOTH.** Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one and a half inches wide. Price of Seed per pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**GOLIATH.** A popular red strain. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**RHUBARB ROOTS.** Set in spring they will furnish leaf stalks the following year. If to go by mail allow for postage, 1-year, 1 lb., 2-year, 1  $\frac{1}{2}$  lbs.; 3-year, 2 lbs. See page 108 for zone postage rates. 1-year, each, 25c; 3 for 45c; 10 for \$1.30. 2-year, each, 30c; 3 for 75c; 10 for \$2.25. 3-year, each, 50c; 3 for \$1.35; 10 for \$4.00.

## Oyster Plant (Salsify)

**THOUGH** not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground, but lifted before they start to grow. Salsify is boiled like parsnips or carrots, or after half boiling can be grated and made into flattened balls and fried like oysters.

**MAMMOTH SANDWICH ISLAND.** This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c; lb., \$2.75.

**LONG WHITE SALSIFY.** Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c; lb., \$2.75.

**SCORZONERA, OR BLACK SALSIFY.** Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 85c.

## Garden Sorrel

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

## Swiss Chard

**"CUT AND COME AGAIN."** This vegetable gives maximum returns for little care and space; it yields a constant crop from July to winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus, or made into very good pickles. Cut, the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Leaf-let of recipes enclosed upon request. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., 90c.



SWISS CHARD

**LUCULLUS SWISS CHARD.** A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**LYON SWISS CHARD.** A new variety, selected especially for its broad mid-ribs and stems. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**PERPETUAL SPINACH BEET.** Very similar to "Cut and Come Again." The leaves are used for greens the same as beet tops. Sow early in spring. Cut the leaves and keep plants thinned out, from 6 to 8 inches in the rows. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

# Modern Spinaches

### Health Value of Fresh Picked Spinach

Calories per lb., 109. Vitamines A, B, C, D. Proteins 2.1% Fats .3% Carbohydrates 3.2%			
Minerals			
Calcium.....007%	Iron.....0036%	Sodium.....125%	
Chlorine.....074%	Magnesium.....037%	Sulphur.....038%	
	Potassium.....774%		

**SPINACH** delights in cool moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adapted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamine investigation.

**LONG STANDING SPINACH KING OF DENMARK.** (Antvorskov) In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 60c.

**PRINCESS JULIANA.** This is a new type of "Long Season" Spinach. The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious; i. e., there are male and female plants). This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seeding much later than male plants. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 60c.

**VIRGINIA SAVOY YELLOWS OR MOSAIC DISEASE RESISTANT.** A variety originated by the Virginia Truck Experiment Station, a cross between Resistant Bloomsdale Savoy and Manchurian. This is a cool weather variety, for winter in the South and fall in the North. The leaves have markedly the Savoy characteristics. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 60c.

**VAUGHAN'S TRIUMPH SPINACH.** Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick wadded, and fine and tender when cooked. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**NEW ZEALAND SPINACH (TETRAGONIA EX-PANSA).** While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.00.

**BLOOMSDALE LONG STANDING.** Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark) having larger and Savoy type leaves. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 25c; lb., 60c.

**Vaughan's Special** An early smooth leaved spinach being more upright in growth than other spinaches and nearly a long standing variety. Easily cleaned and very tender. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 30c; lb., 85c.

**VAUGHAN'S GIANT FILLBASKET.** The very largest Early Spinach, the result of careful reselection. In Europe it holds first place in public favor. Our customers here have had great success with it and are planting it more extensively each year. Its broad, thick, dark green leaves are very crisp and tender and of delicately delicious flavor. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 20c; lb., 50c.



NEW LONG STANDING SPINACH "ANTVORSKOV"

**VICTORIA SPINACH.** Remains in prime condition two to three weeks after other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**BLOOMSDALE OR NORFOLK SAVOY-LEAVED.** Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with Southern truckers. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**EXTRA LARGE ROUND LEAF.** Large crumpled leaves. This is one of the best for early use, and if sown again in August is hardy enough for late autumn use. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

**LONG STANDING.** Of compact growth with thick deep green leaves. Slow to seed.

**PRICKLY-SEEDED.** Very hardy; sow in fall; for late use.

**MONSTROUS-LEAVED VIROFLAY.** Quick, strong growth. N. Y. favorite.

Price of the above, except where noted. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 20c; lb., 50c.

## Tobacco Seeds

**BIG HAVANA.** A hybrid Havana. Oz., 45c;  $\frac{1}{4}$  lb., \$1.40; lb., \$5.00.

**CONNECTICUT SEED LEAF.** Best adapted to climate of Middle and Northern States. Oz., 45c;  $\frac{1}{4}$  lb., \$1.40; lb., \$5.00.

**BURLEY.** The popular Kentucky sort. Oz., 45c;  $\frac{1}{4}$  lb., \$1.40; lb., \$5.00.



# Newer Squashes and Marrows

**SQUASH** are growing in popularity with home gardeners. They must be sown in warm, rich soil in hills 8 to 10 feet apart for the vine varieties and 3 to 5 feet for the bush sorts. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer. Vegetable Marrows are considered by many to be superior in flavor to egg plant if sliced when half grown and fried. All squashes may be baked and eaten with butter, in which form they often times are relished by persons who dislike them when mashed and boiled.

**ACORN, TABLE QUEEN, or "DES MOINES."** We can truly say that the height of Squash quality is still unknown to one who has not eaten half a Table Queen, baked and buttered. In size Table Queen equals a fair sized husked coconut, and a half, baked, serves one person amply. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green changing to bright golden after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. (Cucurbita Pepo.) Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**NEW SQUASH "KITCHENETTE" (HUBBARD).** A small edition of the Hubbard Squash developed by inbreeding and introduced by the Minnesota Experiment Station. It was named "Kitchenette" because it is the smallest Hubbard. The squash average about 5 pounds. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage. In season they are two weeks earlier than the Hubbards. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$1.75.

**GOLDEN HUBBARD.** Fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. The skin is deep orange yellow and very attractive. Flesh is deep golden yellow, fine grained and delicious. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**ORIGINAL HUBBARD SQUASH.** Not as large as Vaughan's original Chicago Warted Hubbard, but in shape and quality it is similar. The fruit has dark green skin, the flesh is bright orange color, fine grained, dry and thick. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**MAMMOTH YELLOW BUSH.** Like Mammoth White Bush. The fruit runs a little larger. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

## Health Value of Fresh Picked Squash

Calories per lb., 209. Vitamines A, B, C, D.			
Proteins.....	1.4%	Fats.....	.5%
Carbohydrates.. 9.0%			
Minerals:			
Calcium....	.024%	Potassium.....	180%
Magnesium..	.012%	Iron.....	.0006%
Sodium.....	.004%		

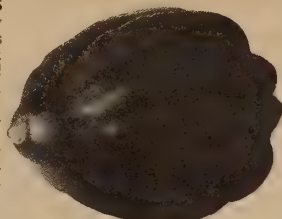
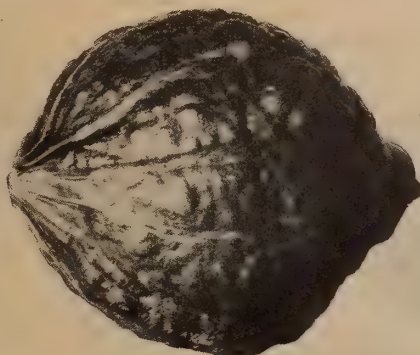


TABLE QUEEN

**VAUGHAN'S CHICAGO WARTED HUBBARD.** Vaughan's Chicago Warted Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; fruits are of large size, rough skin, dark green in color, flesh is bright orange, fine grained, rich and dry. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**YELLOW SUMMER STRAIGHT-NECK.** This is a very desirable summer squash to take the place of the regular crookneck type. It will pack much easier, will produce fully as heavily, is of the same general appearance as the Crookneck Yellow Summer, but has a heavier neck and gives more edible squash. It is altogether more desirable than the Crookneck for either home garden or market garden. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**"SWEET POTATO."** A valuable addition to the list of small squashes, is of fine flavor, becoming a popular feature of fall and winter menus. It is an improved Delicata, as sweet as Table Queen. The fruit averages 6 to 8 inches long and they are thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. (Cucurbita Pepo.) Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.



KITCHENETTE

**BANANA SQUASH.** One of the finest fall and winter squash. Of sweet potato quality, free from stringiness. Not hard as Hubbard to prepare but as good or better quality: 12 inches long, 6 inches in diameter, tapering at either end. Gray green color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**COCOZELLE (ITALIAN VEGETABLE MARROW).** A bush summer variety. Fruits oblong, ribbed, 12-16 inches in length. Color dark green marbled with yellow and dark green stripes. Very fine flavor. (Cucurbita Pepo.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

**VAUGHAN'S GIANT SUMMER CROOKNECK.** Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The flesh is a rich golden yellow, the quality and flavor of which is the very best. (Cucurbita Pepo.) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**VEGETABLES** popularly known as squashes and pumpkins are classified botanically as Cucurbita Maxima and Cucurbita Pepo. There are varieties popularly known as squashes in both botanical species, and the same is true of pumpkins. For those who wish to know the botanical status, the species is given in each description.

VAUGHAN'S GIANT SUMMER CROOKNECK



**VEGETABLE MARROW.** This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy. Our packages contain cultural directions and recipes for cooking. (Cucurbita Pepo.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.65.

**ZUCCA DE PERGOLA.** A vegetable marrow which grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats. (Cucurbita Pepo.) Pkt., 15c; oz., 35c; ¼ lb., \$1.00.

**NEW ITALIAN MARROW. (Cucurbita Pepo.)** When matured it is 2 feet long, 3 to 4 inches in diameter and very dark green. A bush type and very productive. There is nothing better for slicing in its early growth and if kept picked, will continue to bear until frost. A variety once tried will become a favorite in the home garden. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**THE DELICIOUS—FOR QUALITY.** A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color. (Cucurbita Maxima.) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**MAMMOTH WHITE BUSH.** Is an improved selection of the old "Early White Bush," the highly favored early summer squash. The newer sort is much larger and deeper, has fewer scallops, which saves waste, and is a heavier producer. Our strain is very select. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

**YELLOW SUMMER CROOKNECK.** The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. (Cucurbita Pepo.) Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

**EARLY WHITE BUSH.** Very early. (Cucurbita Pepo.) Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**BOSTON MARROW.** Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. (Cucurbita Maxima.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**MAMMOTH CHILI.** A popular exhibition sort. Specimens grow as large as 150 pounds. Rich orange yellow color. (Cucurbita Maxima.) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

**BLUE HUBBARD.** Similar to original Hubbard in shape and size, quality superior, an excellent winter keeper, having a blue gray shell. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

**EARLY YELLOW BUSH.** A true bush, though of an earlier and smaller strain than the Mammoth. (Cucurbita Pepo.) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**BUSH FORDHOOK SQUASH.** A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety, whether for summer or winter use. (Cucurbita Pepo.) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

## BOOKS

**COMMON GARDEN PESTS. What They Are and How to Control Them.** By Gregory and Davis. Illustrated. 150 pages. Paper...\$0.50  
**Recognizing Plant Pests.** Discusses Nature of Fungi—Nature of Insects—Various Types of Sprayers—How Insects Live and Grow, etc.



MAMMOTH

WHITE BUSH



EARLIANA  
BEST RED  
EXTRA  
EARLY



**TOMATOES** should be started indoors and those unable to do this should purchase plants. The plants may be set in the garden when danger of frost is over. It is important to give them a quick start after transplanting by frequent watering and fertilizing. They should be sprayed with bordeaux mixture to prevent disease, and with arsenate of lead to keep off the tomato worm. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner.

**Oxheart** Popular because of its attractively different shape, large size, and excellent table qualities. Not a heavy yielder but large size, often weighing 3 lbs. or more. Skin, pink, almost seedless, firm, sweet flesh frequently two in. thick without a seed cavity, slices well. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., \$3.00.

**VAUGHAN'S SELECT EARLIANA.** Earliest large, smooth bright red tomato. Our strain shows few, if any, of the rough fruits found among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

**JUNE PINK—THE BEST EXTRA EARLY PINK.** In many markets, a pink early tomato is most desired. This is the earliest of the pink varieties, and is similar in habit to the famous Earliana. Pkt., 5c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

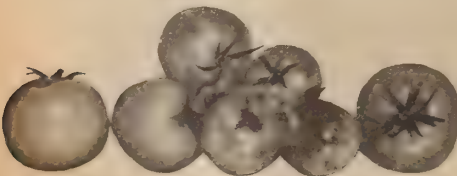
**NEW KING.** This striking variety was originated in the Chicago district and is the largest tomato that we know of. It is about the season of Ponderosa, but grows to nearly twice the size. Ripens uniformly from core to outer skin. Pkt., 20c; ½ oz., 40c; oz., 75c.

**MURRAY'S EARLY WONDER.** New, extra early scarlet fruited variety, exceptionally productive, nearly round, smooth, of excellent quality, good for home and market gardeners. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

**NEW GLOBE TOMATO.** This new Globe or Ball-Shaped tomato is ideal for the home garden. The fruits ripen with the second earliest. They yield a heavy crop and continue to bear until frost. The skin is a smooth, purplish pink; the flesh is firm and it has few seeds. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

**PRITCHARD (Scarlet Topper).** A second early. See novelty page 12. Pkt., 20c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.50.

**Vaughan's American Beauty**  
Our friend, the tomato connoisseur, W. E. Vail, of Yorktown Heights, N. Y., bred this prolific Globe variety. It is our highest yielding main crop purple. It is firm, smooth, of uniform size, purple cast, subacid, with small seed cavity. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.



VAUGHAN'S AMERICAN BEAUTY

# Tomatoes of All Types and Flavors

## Health Value of Fresh Picked Tomatoes

Calories per lb., 104. Vitamines A, B, C, D.

		Minerals	
Proteins	.9%	Calcium	.011%
Fats	.4%	Magnesium	.010%
Carbohydrates	3.9%	Potassium	.275%
		Sodium	.010%
		Chlorine	.034%
		Sulphur	.014%
		Iron	.0004%

**BONNY BEST.** A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10.

**VAUGHAN'S NEW YORK.** It is a second early red-skinned, firm fleshed tomato of high quality which is at the same time of good size and attractive appearance. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40.

**AVON EARLY TOMATO.** This is scarlet-fruited as early as Earliana, round or slightly flattened, smooth and free from cracks and of fine quality. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

**JOHN BAER.** Extra early red. Not quite so early as Earliana, though there are only a few days' difference, John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.10.

**EARLY DETROIT (Purple).** The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.60.

**BEAUTY (Purple).** Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform, very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.50; lb., \$5.00.

**CRIMSON CUSHION or BEEFSTEAK.** Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75; lb., \$6.00.

**MATCHLESS.** Large, bright red, long keeping tomato. The solid fruit is produced on strong, vigorous, prolific vines. Very distinct. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 90c.

## Disease Resistant

**Break O'Day** Developed by F. J. Pritchard, of Washington, D.C. A new wilt resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.65; lb., \$5.50.

**NORTON or WILT RESISTANT STONE.** Introduced by the United States Department of Agriculture. It is the result of work accomplished by Dr. Pritchard to produce a variety resistant to Fusarium Wilt. It is a good variety in disease free soil resembling closely the Improved Stone, perhaps a little later than Stone. It is very prolific. The fruit is smooth and bright red. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

**MARVELOSA.** Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

**MARGLOBE.** A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, produces, large smooth, meaty, globular, red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

## NEW GLOBE EXCELS IN UNIFORMITY



**HUDSON VALLEY MAID.** This new potato-leaved variety, in trial, showed up remarkably well during a dry, off season, the potato-leaved sorts seeming to possess a hardiness that few of the ordinary leaved sorts have. It is second in season, of good size, smooth and bright red. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

**GOLDEN PONDEROSA.** A yellow gem. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Runs nearly true to type with a small percentage of mixed fruits. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.

## DWARF CHAMPION.

Owing to its dwarf habit and upright tree-like growth it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff, requiring little support. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.30.

**ACME—Early (Purple).** Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five, early and continuously until frost. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.



NEW KING IS LARGEST OF ALL



**TOMATOES—Continued****IMPROVED NEW STONE.** "King of the Reds."

The very best of the main crop varieties. For yield, size and appearance, we have seen no finer strain than ours. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satisfaction to the grower. Cannery plant it for their main crop and market-gardeners find it their most profitable sort. Pkt., 10c; ½ oz., 25c; oz., 35c; ¼ lb., \$1.00.

**CHALK'S EARLY JEWEL.** The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.10.

**GOLDEN QUEEN.** Golden yellow. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

**GULF STATE MARKET TOMATO.** This globe-shaped purplish pink tomato was developed from Early Detroit and is as early as that variety. It is said to be especially adapted to the Gulf states and California. The fruits are large, showing little depression around the stem, and free from cracks. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.

**DWARF STONE—THE LARGEST DWARF TOMATO.** This is the largest Dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. In shape and size it is similar to "Improved New Stone." The fruit is red, and specimens weighing ¾ pound are not uncommon. Dwarf Stone is almost as early as "Dwarf Champion," and the fruit is the size of the last named sort. Fruit ripens evenly, is solid, free from cracks and of excellent quality. Amateurs find Dwarf Stone a splendid sort, because of its dwarf habit and robust growth. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; lb., \$5.00.

**PONDEROSA—THE GIANT TOMATO.** Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.75.



PEAR TOMATOES

**Small Fruited Tomatoes**

Very Desirable for Pickles and Preserves.

**RED CURRANT.** Very small. Pkt., 10c; ½ oz., 40c; oz., 75c.

**RED CHERRY.** Small fruit, bright, scarlet. Pkt., 10c; ½ oz., 40c; oz., 75c.

Prices of the following: Pkt., 10c; ½ oz., 40c; oz., 75c.

**TWO PEACH TOMATOES.** Peach shape and color. Red or Yellow.

**YELLOW PLUM AND RED PLUM.** Fruit about 2 inches long, 1 inch through; the one is lemon-yellow the other plum-red.

**YELLOW AND RED PEAR.** Distinct shape.

**GROUND CHERRY, HUSK OR STRAWBERRY.** The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

**Forcing Tomatoes**

We provide choicest strains obtainable for greenhouse work.

**BONNY BEST.** The most popular American variety, for forcing. Forcing strain. Pkt., 25c.

**STIRLING CASTLE.** Small size, uniform and very productive. Pkt., 25c.

**FILL BASKET.** One of the best of the English Forcing varieties. Vine heavier than Sunrise. Fruit set in clusters of three to five. Color, scarlet; heavy yield. Pkt., 25c.

**BEST OF ALL.** Pkt., 25c.

**GRAND RAPIDS.** Pkt., 25c.

**NEW GLOBE.** Pkt., 25c.

**BOOKS**

**THE GARDEN GUIDE.** 388 pages. 106 half-tones, 164 sketches. Paper.....\$1.00  
Cloth.....\$1.50

Written especially for the owner of a modest home. The material is presented by 11 different authors, each an expert in his field. Covers the entire place—lawns, walks, trees, shrubs, flowers, bulbs, vegetables, fruits, pests, diseases, transplanting, pruning, propagation, fertilizers, insects, etc.



PURPLE TOP WHITE GLOBE

# Turnips for the Table

**Health Value of Fresh Pulled Turnips**

Calories per lb., 178. Vitamines A, B, C, D. Proteins 1.3% Fats .2% Carbohydrates 8.1%

**Minerals:**

Calcium.....	.064%	Potassium.....	.338%	Sulphur.....	.065%
Magnesium.....	.017%	Chlorine.....	.041%	Iron.....	.0005%
		Sodium.....	.056%		

**TURNIPS** are cool weather plants and thrive best in spring and fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored. Rutabagas after a touch of frost are a delightful addition to the winter diet. To avoid maggots, it is best to sow turnips on different soil each year.

A loose and fertile soil is needed to mature early turnips rapidly, and avoid a bitterness which develops when growth is checked. The plants should be thinned to stand three inches apart, and then the half grown roots should be harvested alternately.

**FOR THE HOME GARDEN**—Any of the table turnips and rutabagas listed on this page will be found satisfactory.

**PURPLE TOP WHITE GLOBE.** Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Splendid for table—tip-top for stock. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50 (by express).

**PURPLE TOP STRAP-LEAVED.** Is a table variety, fine, tender and deliciously flavored. It is a week later than "White Milan." It is broad shaped, medium size, white flesh, fine grained, splendid quality. Top is dark red or purple, elsewhere white, has few leaves, upright in growth, fine keeper. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., \$2.50 (by express).

**EARLY WHITE MILAN** is the earliest turnip, but can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

**GOLDEN BALL or ORANGE JELLY.** Medium size, globular table turnip. Season early. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

**YELLOW STONE.** Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

**EARLY SNOWBALL.** Small, white, grows quickly, splendid table quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

**SEVEN TOP.** A variety much grown in the South for the tops, which are used as greens. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

**LARGE YELLOW or AMBER GLOBE.** Fine quality and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

**EXTRA EARLY PURPLE TOP MILAN.** An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

**For Stock**

**COW HORN or LONG WHITE.** Grows nearly half way out of the ground, carrot-shape, usually slightly bent; pure white. Oz., 10c; ¼ lb., 25c; lb., 60c.

**WHITE EGG.** Quick growing, egg-shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves; never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored. Oz., 10c; ¼ lb., 25c; lb., 60c.

## Table Rutabagas

**VAUGHAN'S IMPROVED AMERICAN PURPLE TOP** is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. One of the most profitable to grow, on account of its great yield of large solid roots, which make excellent winter feed for all farm stock. Excellent table quality. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., \$3.50.

**BANGHOLM DANISH.** Yellow flesh, purple top with small neck. This variety has excellent table quality and is recommended for home gardeners. Danish pedigree seed. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., \$3.50.

**CARTER'S IMPERIAL.** Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.25.

**LAING'S GARDEN RUTABAGA.** Short top, well shaped, medium root. Purple skin, yellow flesh. A splendid winter keeper, delicious after first few November frosts. Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.25.

## Swedes and Rutabagas for Stock

**MONARCH.** A stock crop for early feeding, oblong shape, yellow flesh, fine grain, good flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., \$3.50.

**BOOKS**

**THE BOOK OF PERENNIALS.** By A. C. Hottes. 280 pages, over 100 illustrations. Cloth.....\$1.50

The growing, using, selecting and propagation of perennials with full information on diseases, pests, soils, fertilizers, etc. Tabular list gives height, season, color of 600 species at a glance.



WHITE FLAT DUTCH



# Flower Seeds for Greenhouse Use



## ACHIMENES

- 130 **Best Mixture.** ÷ 1 ft. A greenhouse subject blooming in six months from seed, with tubular flowers of varied red, pink purple and lavender tones, with contrasting throats especially suitable for hanging baskets and pots. Pkt., 50c.

## AGAPANTHUS

- 175 **Blue Lily of the Nile.** ÷ A tender plant, 2 to 3 feet high, bearing clusters of 10 to 30 lily-like blue flowers. Established in a tub they will flower for many years and may be set in sheltered garden spots in midsummer when they bloom. In the south they may be planted outdoors. They are much used for garden accents when grown in tubs. Pkt. 15c.

## ANTIRRHINUM Snapdragon

See Also Novelties

- 362 **Afterglow.** A beautiful bronze. Pkt., \$1.00.  
 374 **Ceylon Court Yellow.** Robust growth; foliage strong, healthy and vigorous. Beautiful canary-yellow. Spikes 10 to 14 inches; flowers closely set; one of the earliest and most productive producers, strong, wiry stems. Pkt., 50c.  
 387 **Geneva Pink.** A delightful glistening rose-pink borne on long dense spikes; green foliage. Pkt., 50c.  
 393A **Happiness.** Immense flowers closely set and of a rose leaf texture. Pkt., \$1.00.  
 395 **Jennie Schneider.** Beautiful pink, same shade as Columbia rose. Pkt., 50c.  
 401 **Philadelphia Pink.** One of the best pure pinks. Pkt., \$1.00.  
 402 **Penn-Orange.** Striking tangerine orange, dark green foliage. Pkt., 50c.  
 406 **Pink Perfection.** In habit, this new type may be likened to Perfection Stocks; the plant produces innumerable long, perfect spikes, which are perfectly balanced. The flowers are a beautiful shade of hermosa pink, slightly suffused with salmon. Pkt., 50c.  
 404A **Roman Gold.** A deep golden yellow with the lip a lighter yellow suffused with pink. The tips have a beautiful pink-copper hue. Pkt., 50c.  
 407A **Sunburst.** Intense orange copper and golden yellow. Pkt., 50c.  
 408 **White Rock.** A good forcing white. Pkt., 50c.  
 426 **VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES.** A mixture of the forcing varieties we list. Pkt., 75c.

## ASPARAGUS

- 480 **Plumosus Nanus (Lace Fern).** ÷ 3 ft. The hard seeds need soaking and bottom heat to sprout them. Pkt. (10 seeds), 15c; 100 seeds, 35c.  
 485 **Sprenger (Emerald Feather).** ÷ Finest material for hanging baskets, etc.; the minute flowers, produced in racemes, are rose with orange anthers. Pkt. (10 seeds), 15c; 100 seeds, 35c.

## CALCEOLARIA ÷

- 1180 **Hybrida Grandiflora (Pouchflower).** 1½ ft. A colorful greenhouse plant bearing a profusion of small, pocket-shaped orange or yellow flowers, many of which are beautifully tigered or spotted. Pkt. (300 seeds), 25c.  
 1181 **Graciosa Mixed.** A type with very large flowers in self-colors of a great variety of yellow tones. Sow seeds in the spring for blooming in greenhouse next winter. Pkt., 50c.  
 1182 **Albert Kent's Hybrids.** A very lovely variety. The flowers are intermediate in size and produced in large graceful clusters. Pkt., \$1.00.  
 1183 **Lignosa Bunch of Gold.** 12 in. A compact plant, producing bunches of green-yellow flowers, lasting all summer. Pkt., \$1.00.  
 1185 **Rugosa, Mixed.** Includes nearly all the beautiful colors found in Calceolarias. Pkt., 25c.

CALENDULA—See page 44.

## CINERARIA HYBRIDA ÷ 18 in.

- 1715 **Vaughan's Columbian Mixture.** A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt. (60 seeds), 25c.  
 1726 **Hybrida Multiflora Nana.** 10 in. A new race producing dwarf plants with masses of small self-colored flowers, ¾-inch diameter, compact heads over small and dainty foliage. Pkt., 35c.  
 1722 **Polyantha Stellata Mixed.** 2 ft. A mixture of blue, red, white and intermediate shades of star-shaped flowers. Pkt. (100 seeds), 25c.  
 1723 **Feltham Beauty.** Similar to above but dwarfier, with larger flowers and broader petals, but retaining the true star shape. Many have white centers. Pkt., 35c.

## CYCLAMEN (Alpine Violet) ÷ 1 ft.

- 2010 **Giant Flowered Cyclamen.** Mixed, extra choice. 10 seeds, 20c; 20 seeds, 30c; 100 seeds, \$1.20.

## DRACAENA

- 2350 **Indivisa.** ÷ 2 ft. An exceedingly handsome plant for standing on terraces or lawns during summer. It is also extremely useful for garden vases or as a dot plant in flower beds, and is one of the most effective conservatory and indoor decorative plants. Seed should be sown in gentle heat early in spring. Half-hardy perennial. Pkt., 10c.

## EXACUM ÷

- 2445 **Affine.** Greenhouse plant 1 to 2 ft. high with numerous bluish-lilac flowers with yellow stamens of a very delicate fragrance. When sown in March or April, blooms from August or September until late in season. Excellent for basket use. Pkt., 50c.

## FREESIAS □ 12 in.

- Bloom first year from seed.  
 2450 **Refracta Alba.** White. Pkt., 10c.  
 2455 **Rainbow Hybrida.** Attractive because of unique colorings and shadings. Pkt., 15c.  
 2456 **Hybrida Tubergentii.** Richest shades, very large flowering hybrids. Pkt., 35c.

## FUCHSIA HYBRIDA (Ladies' Eardrop)

- 2460 **Double and Single Mixed.** ÷ 1 to 4 ft. Well-known greenhouse plant, blooms from seed first year, if planted early. Pkt., 20c.

## GESNERIA

- 2505 **Robusta Perfecta Hybrids.** ÷ A fine pot plant. The flowering spikes carry numerous bright pendulous blooms, including pure white, yellow, salmon-pink, orange, rose-carmine, and rich crimson. It belongs to same class as the Gloxinias and needs same culture in greenhouse. Pkt., 50c.

## GLORY OF THE SUN ÷

- 3008 **Leucocoryne Ixioides Odorata.** Heads of large fragrant flowers, blue with white centers, carried gracefully on a wiry 18 in. stem. Culture the same as for Freesias. It is a tender perennial, flowers the second year from bulbs produced the preceding year. Seed germinates very slowly and irregularly. Seed bed should be kept where it will have care for several months. Pkt., (100 seeds) 25c.

## GLOXINIA

- 2560 **VAUGHAN'S INTERNATIONAL MIXTURE.** ÷ 12 in. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c.  
 2565 **Fine Mixture.** Pkt., 15c.

## GREVILLEA

- 2675 **Robusta (Silk Oak).** ÷ 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth; with its long, drooping, silky foliage. Excellent for fern dish use. In California and Florida develops into an ornamental tree. Pkt., 10c.

## ISOLOMA

- 2960 **(Hirsutum Multiflorum Hybridum).** ÷ 12 to 18 in. The large leaves, which are in texture similar to the Gloxinia, are of a rich dark green; their backs, as well as the flower stalks, are covered with bright red hair. The flowers are produced in abundance and in various colors and color combinations. Seed sown in January or February will bloom in June or July, and will continue to flower until winter without cessation. This is a most desirable pot-plant. Pkt., 50c.

## MIGNONETTE (Reseda) □

- 3246 **New York Market.** Choice for greenhouse culture. The plants grow from 2 to 3 feet high and produce flower spikes up to 20 inches long, according to the quality of the soil, weather and treatment. Pkt., 25c.

## PRIMULA ÷

Chinese Primrose

- 4465 **VAUGHAN'S INTERNATIONAL MIXTURES.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt., (100 seeds) 35c.  
 4460 **Good Mixture of Single Varieties.** Pkt., 15c.

## Primula—Various Sorts

- 4475 **Malacoides.** 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.  
 4478 **Malacoides Rosea.** Pkt., 25c.  
 4480 **Forbesi Baby Primrose.** 10 in. The flowers are graceful, of pleasing rose color with yellow eyes and are borne on erect stems. Pkt., 15c.  
 4481 **Kewensis.** 1 ft. Canary-yellow. Fine leaf, winter bloomer. Pkt., 25c.

## Primula Obconica Grandiflora

- 4485 **Appleblossom.** Pink.  
 4486 **Coeurule.** Heavenly Blue.  
 4487 **Fassbender Red.** Flowers rich deep red of enormous size.  
 4488 **Lachrosia.** A beautiful salmon-rose.  
 4489 **Rhine Pearl.** Dark salmon-carmine, very free blooming.  
 4490 **Rosea, Pink.**  
 Each of the above Pkt., (200 seeds) 25c.  
 4495 **Obconica Grandiflora Mixed.** Good mixture. Pkt., (200 seeds) 15c.

## Primula Obconica Gigantea

- 4500 **Gigantea Rosea.** A beautiful clear rose. Pkt. (200 seeds), 25c.  
 4505 **Gigantea Mixed.** Pkt. (200 seeds), 25c.

## PLUMBAGO

- 4229 **Capensis.** A climbing, shrubby plant for pot culture or the border; producing spikes of rich pale blue flowers. Pkt., 25c.

## POINCIANA

- 4230 **Gilliesi (Bird of Paradise).** ÷ 10 ft. The blossoms of golden yellow are produced in large trusses, the most striking feature being long, incurving stamens and pistils of crimson. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil.

## SAINTPAULIA ÷ 4 in.

- 4589 **Ionantha.** African Violet. A free and long-flowering pot-plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful blue with golden anthers resembling large single sweet-scented violet. Pkt., 50c.

## SMILAX ÷ 6 ft.

- 4780 **Makes a fine pot or basket plant.** Pkt., 10c.

STOCKS—See page 63.

SWEET PEAS—See page 62.

## SOLANUM

- 4785 **Capsicastrum Nanum.** ÷ 2 ft. (Jerusalem Cherry.) Easily grown plants with ornamental fruit. Especially fine for pots. Pkt., 10c.  
 4790 **Cleveland Cherry.** This is an improvement on Jerusalem Cherry. Differs from it in habit of growth, which is dwarf and compact and the larger number of berries produced. One of the best house plants for window decoration. Pkt., 15c.

## STEVIA

- 4825 **Serrata.** 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 10c.

## STREPTOCARPUS

- 4826 **Largest Hybrids.** ÷ 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 25c.



# Vaughan's Annual Flower Seeds

## ABRONIA

- 100 **Umbellata Grandiflora** (Sand Verbena). ☐ × 6 in. A trailing, succulent plant, with Verbena-like heads of fragrant flowers of bright rose with white center; it delights in a dry, poor soil and sunny situations on rockwork. It is slow to germinate and flowers in late summer and fall. Pkt., 10c.

## ABUTILON

- 122 **Giant Flowered Mixed** (Flowering Maple). ÷ 3 to 4 ft. Blooming in 6 months from seed, it flowers at all seasons in the greenhouse, and during summer and fall outdoors. Its ornamental leaves are often variegated and it bears bell shaped flowers of salmon, buff and pink. Pkt., 25c.

## ACROCLINIUM ROSEUM

Its graceful, daisy-like flowers, when cut in the bud state, can be dried for winter bouquets. It blooms in 6 weeks from time of sowing. Height, 20 in.

- 150 **Double Pink**. 155 **Double White**.

- 160 **Single Mixed**. 165 **Double Mixed**.

Each of the above: Pkt., 10c; ¼ oz., 30c.

- 166 **Double Giant Mixture**. This large-flowering type is twice the size of the preceding one, with long, stiff stems; flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 25c.



## Surprise Garden Mixture

5848 If you want a thrill and a real adventure in gardening this year be sure and sow this mixture liberally. You will be repaid by the many unusual varieties which will appear during the season. Oz., 25; ¼ lb., 75c; 1 lb., \$2.60.

We buy for this mixture surplus stock seed of many annual varieties which are attractive and easily grown but often little known and the result is a continual succession of happy surprises to the gardener. In fact, we frequently are called to identify some particularly attractive sort so it may be ordered separately another year.

Plant freely but not too thickly (if too crowded together the plants will be weak and drawn and will soon fade away), in rows in the vegetable or picking garden, keep watered or cultivated and the faded flowers removed.

One of our friends in Oregon writes as follows on August 22, 1932:

"I must really write to you to tell you what pleasure you have given us in your Surprise Garden Mixture of Flower Seeds. It is really a delightful thing to go into the garden every morning never knowing what new flowers to expect and then finding all sorts of surprises. It is quite a game and every new finding gives me the feeling of an explorer who has found something unknown. The flowers are all so lovely and make the most charming bouquets. I cannot tell you how much we enjoy it."

## AGROSTIS

- 235 **Nebulosa** (Cloud Grass). ☐ 1½ ft. An airy and graceful annual grass; looks like a line of mist when in bloom. Beautiful with cut flowers. Pkt., 10c.



171 **ADONIS Autumnalis**. Pkt. 10c

## ADONIS ☐

- 170 **Aestivalis** (Pheasant Eye). 1 ft. Early blooming annual with deep crimson flowers and feathery foliage. Sow where plants are to remain. Pkt., 10c.

- 171 **Autumnalis**. 2 ft. Of somewhat straggly growth with finely divided foliage, its flowers are rich scarlet freely produced in summer and autumn. Pkt., 10c.

**AGAPANTHUS**—See page 36.

## AGROSTEMMA

- 230 **Coeli Rosa** (Rose of Heaven). ☐ 1 ft. Hardy annual of light, graceful habit; flowers pale rose, shaded white. Sow in the vegetable garden (as you would radishes) at intervals, and enjoy a continuous supply of cut flowers all summer. ¼ oz., 25c; pkt., 10c.

## ALONSOA ☐

- 237 **Miniata Compacta Coccinea**. 1 ft. Bushy plants covered with scarlet flowers. July to October. Pkt., 15c.

- 240 **Warszewiczii**. 15 in. Foliage dark green; racemes of bright scarlet flowers. Pkt., 10c.

## FOR A LIST OF

Annual Climbers, page 48.  
Annual Everlastings, page 49.  
Annual Ornamental Grasses, page 51.  
Seeds for Greenhouse Culture, page 36.

We can supply leaflets on the following if asked for when ordering:

Annuals for Sowing in Crevices in Stone.  
Annuals for Rock Gardens.  
Annuals for shaded and semi-shaded places.  
Sweet Scented Annuals.  
Seeds that germinate slowly.

### KEY TO SYMBOLS

☐ **Annuals**. These attain full growth from seed, flower and die first year.

\* **Biennials**. These grow from seed the first year, bloom and die the next, though some varieties bloom the first year.

① **Perennials**. Hardy Perennials.

÷ **Greenhouse Plants**. Start inside and cultivate in pots or else transplant outside when danger of frost is over.

+ **Stove Plants**. To be grown inside all the year round for pots only.

= **Climbing Plants**.

× **Rock Garden Plants**.

## Ageratums Give Fine Summer Blues

These free flowering, quick growing annuals, which bloom throughout the summer, are invaluable as a source of the blue-lavender tones which are demanded to balance the color-effect of every planting. Varying in height from 6 in. to 3 ft., you may use them to fill many different garden roles. The taller varieties are useful for cutting. Dwarf sorts are apt to vary in height.

- 180 **Mexicanum Coeruleum**. 18 in. Soft lavender-blue. Pkt. 10c; ¼ oz., 30c.

- 185 — **Album**. 18 in. White. Pkt., 10c.

- 187 — **Purple Perfection**. 18 in. Large flower of unusual dark purple, almost a red. Pkt., 15c.

- 190 — **Mixed**. Pkt., 10c.

- 195 — **Blue Perfection**. 9 in. The darkest Ageratum grown from seed. Pkt., 10c; ½ oz., 25c.

- 196 — **Blue Ball**. 9 in. Deep, dark blue. The plant is dwarf and symmetrical. In full bloom it is covered with small flowers, giving the appearance of a blue ball. Pkt., 15c.

- 202 — **Imperial Dwarf Blue**. 6 in. Of compact growth, covered with heads of feathery flowers of deep lavender. Pkt., 10c; ½ oz., 25c.

- 205 — **Imperial Dwarf White**. 6 in. Pkt., 10c.

- 208 — **Little Dorrit White**. 6 in. Pkt., 15c.

- 209 — **Little Dorrit Blue**. 6 in. Azure blue. Pkt. 15c; ½ oz., 25c.

- 217 — **Tom Thumb Little Blue Star**. 4 in. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c; ½ oz., 50c.

- 220 **Lasseauxii**. 3 ft. Clusters of handsome rose-colored flowers. Pkt., 10c; ½ oz., 25c.



196 **AGERATUM Blue Ball**. Pkt. 15c



# Alyssum, Queen of Edging Whites



Of all garden flowers, none is better known, or more cherished, for its beauty and fragrance, and the memories associated with it. It is truly queen of edging plants whether grown in a continuous ribbon, or alternated with blue lobelia, yellow signata marigold, or dwarf ageratum. Its white flowers never fail; it is amazingly vigorous and hardy, and exceptionally uniform in height and size.

- 250 **Benthami Maritimum** (Sweet Alyssum). ☐ 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. 1 lb., \$2.25; ¼ lb., 60c; 2 ozs., 40c; 1 oz., 25c; ½ oz., 15c, pkt., 10c.



- 307 **ANAGALLIS Grandiflora Coerulea**. Pkt., 15c

## ANAGALLIS ☐ X

- 305 **Grandiflora Mixed**. 6 in. Dwarf plants, blue and scarlet flowers, effective as edgings, also charming on rockwork and in pots. Pkt., 10c.
- 307 **Grandiflora Coerulea**. 8 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. The flowers are of a real turquoise-blue. ¼ oz., 50c; pkt., 15c.

## AMMOBIUM

- 295 **Alatum Grandiflorum**. ☐ 2½ ft. This "Winged Everlasting" is one of several annuals which produce dry chaffy flowers, capable of being dried and preserved for winter decoration. It bears silvery-white, yellow-centered blooms in loose panicles. Pkt., 10c.

## ANGELONIA ☐

- 313 **Grandiflora**, 1½ to 2 ft. Numerous sprays of fragrant pale mauve flowers, dark green foliage. Blooms first year if sown early. May be taken up in Fall for house decoration. Pkt., 25c.

- 255 **Vaughan's Little Gem, Snow-white Carpet Plant**. ☐ 4 in. The plants are so completely covered with snow-white blossoms they create the impression of a beautiful white carpet. 1 oz., 75c; ½ oz., 40c; ¼ oz., 25c; ¼ lb., \$2.40; 1 lb., \$8.00; pkt., 10c.

- 257 **Little Dorrit**. ☐ 4 in. It forms perfect little bushes, smothered with miniature white flowers. ¼ oz., 30c; pkt., 15c.

- 260 **Compactum Lilacinum, Lilac Carpet Plant**. ☐ 9 in. Distinct variety with delicate lavender flowers. ¼ oz., 25c; ½ oz., 40c; oz., 75c. Pkt., 10c.

- 261 **Compactum Lutescens**. ☐ 8 in. Dwarf, cream or straw color. ¼ oz., 25c; pkt., 10c.

See also Perennial Pages.

## AMARANTHUS ☐

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

- 265 **Atropurpureus**. 4 ft. Dark purple flowers. Pkt., 10c.

- 267 **Caudatus** (Love Lies Bleeding). 3 ft. Drooping red spikes. Pkt., 10c.

- 269 **Cruentus** (Prince's Feather). 3 ft. Dark red feathery flowers. Pkt., 10c.

- 270 **Molten Fire**. 3 ft. The top leaves are a fiery crimson, the lower ones maroon. Pkt., 15c.

- 273 **Salicifolius** (Fountain Plant). 3 ft. Willow-leaved. Red and yellow foliage of drooping habit. Pkt., 10c.

- 275 **Tricolor** (Joseph's Coat). 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 10c.

- 285 **VAUGHAN'S SPECIAL MIXTURE**. A well balanced mixture of the above and others. ¼ oz., 25c; pkt., 10c.

## ANCHUSA

- 310 **Capensis** (Summer Forget-me-not). ☐ 2 ft. Gentian-blue flowers, borne in drooping clusters from July to October. Similar to the Forget-me-not, blossoms, larger and of finer color. ½ oz., 25c; pkt., 10c.

- 311 **Blue Bird**. Flowers vivid indigo blue, plants compact, of even habit, pkt., 15c.

See also Perennial Pages.

ANGEL'S BREATH—See Gypsophila Elegans.

## ANTIGONON

- 315 **Leptopus** (Mexican Mountain Rose) = Summer-blooming greenhouse climber. In the South blooms freely in the open. Flowers rose-pink. Pkt., 10c.

ANTIRRHINUM—See pages 36, 39.

## ARGEMONE

- 460 **Hybrida Grandiflora Mixed**. (The Prickly Poppy). ☐ 2 ft. They have branching prickly stems with glaucous leaves with spiny margins. White poppylike flowers of silken texture with golden anthers. Pkt., 10c.



450 **ARCTOTIS Grandis**. Pkt., 10c

## Blue Eyed African Daisy

### ARCTOTIS ☐

- 449 **Breviscapa Aurantiaca**. The daisy-like flowers have petals of a most pleasing dark orange color which turns lighter toward the center, thus producing a wonderful contrast to the purplish disc. The under sides are of a brownish tint. Pkt., 25c.

- 450 **Grandis** (Blue-eyed African Daisy). 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. ½ oz., 30c, pkt., 10c.

## ARTEMISIA

- 470 **Sacrorum Viridis** (Summer Fir) ☐ Ornamental foliage plant forming rich dark green pyramidal bushes 3 to 5 ft. high. ½ oz., 30c; pkt., 15c.

ASTERS—See pages 40-41.

ASPARAGUS—See page 36.

## ASPERULA

- 490 **Azurea Setosa** (Blue Brocade) ☐ 1 ft. A free flowering annual bearing fragrant sky-blue flowers in terminal clusters from June to August. Effective in large beds. Pkt., 10c.

For *Asperula Odorata*, see Perennial Pages.

BABY BREATH—See Gypsophila Paniculata.

## ATRIPLEX

- 993 **Hortensis Rubra**. ☐ 3 to 4 ft. Tall red and purple leaved annual for the mixed border in summer. It forms a handsome plant grown singly or in groups. Ordinary soil. Pkt., 10c.



490 **ASPERULA Azurea Setosa**. Pkt., 10c



# Gorgeous Modern Snapdragons

## ANTIRRHINUM □

Snapdragons have been amazingly improved in size and color. They are hardy and should be sown early, as they germinate slowly. Unless very rich soil is provided and all plants are staked, the dwarf and semi-tall class will be most satisfactory in the garden. They are effective in beds of solid color, and require full sun. Keep seed pods picked off. If intended for winter flowering, cut back in September.

### Tall Large Flowering, 24 to 36 Inches

- 325 Appleblossom. Delicate pink.
  - 328 Brilliant Scarlet.
  - 331 Butterfly. Striped.
  - 334 Coral Red.
  - 339 Delila. Carmine and yellow.
  - 340 Evening Sky. Soft salmon-rose, yellow mouth, white throat.
  - 342 Garnet. Rich color.
  - 343 Goliath. Salmon rose with orange center shading to pale apricot. Pkt., 25c.
  - 345 Golden King.
  - 391 Golden Monarch.
  - 346 Harmony. Rich terra cotta orange, shaded rose.
  - 351 Queen Victoria. Snow-white.
  - 354 Rose King. Deep rose self.
  - 355 The Cardinal. Scarlet.
- Each of the above except where noted, pkt., 10c.
- 360 Majus Grandiflorum Mixed.  $\frac{1}{8}$  oz. (mixed only), 25c; pkt., 10c.

### Maximum, Giant Flowered, 32 Inches

These are a wonderful advance in size. Each bloom measuring 2 to  $2\frac{1}{2}$  inches across.

- 410A Appleblossom. Rosy pink.
  - 410B Bunch of Lilacs. Deep lilac.
  - 410C Canary Bird. Canary yellow.
  - 411 Copper King. (Indian Summer). Velvety copper-scarlet.
  - 412 Defiance. Brilliant scarlet.
  - 414 Fire Flame. Dark purple and yellow with white throat.
  - 415 Gotelind. Light copper, old rose throat.
  - 416 Golden Queen. Golden yellow, lilac-rose throat.
  - 418 Old Gold. Golden yellow, old rose throat.
  - 419 Purple King. Velvety dark garnet.
  - 420 Ruby. Velvety ruby-red.
  - 421 The Rose. Rose pink.
  - 423 Snowflake. Snow-white, yellow tube.
  - 423A Wallflower Colors. Brown with violet throat.
- Each of the above, pkt., 15c.
- 424 Maximum or Giant Flowered Mixed.  $\frac{1}{8}$  oz. (mixed only), 50c; pkt., 15c.



425 ANTIRRHINUM Vaughan's Special Mixture Pkt., 15c

425 VAUGHAN'S SPECIAL MIXTURE OF SNAPDRAGONS. Includes the best of the maximum, majus grandiflorum and majus nanum varieties and a packet will furnish you with a never-ending color combination of long-stemmed cut flowers. 1 oz., \$1.50;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{8}$  oz., 25c; pkt., 15c.

## BALLOON VINE

- 995 Love in a Puff □ = A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. The effect is odd and curious. Oz., 35c; pkt., 10c.

## BARTONIA

- 1070 Aurea □ 12 in. The little known Bartonia makes patches of polished gold in sunny situations, even if the soil is poor. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Pkt., 10c.

## BELLIS PERENNIS FL. PL. # English Daisy, 6 to 8 Inches

These jolly little flowers are popular because of their bright color, their profuse and long blooming period, and their dwarf compact growth. The leaves form a rosette at the base of the plant, while the double flowers are borne above on stiff, yet graceful stems.

- 1110 Snowball. Pkt., 10c.
- 1113 Longfellow. Dark pink. Pkt., 10c.
- 1116 Double Choice Mixture. Pkt., 10c.
- 1119 Monstrosa Alba. Larger white. Pkt., 15c.
- 1123 Monstrosa Rosea. Larger pink. Pkt., 15c.
- 1124 Monstrosa Aetna. Rich red, quilled flowers. Pkt., 15c.
- 1130 Monstrosa Double Red. Pkt., 20c.
- 1131 Monstrosa Mixed. Pkt., 15c.
- 1135 Rosy White, Double Quilled. Pkt., 20c.

## Large Flowering Dwarf, 16 Inches

- 356 Daffodil. Pale lemon yellow with a broad band of deeper shade across the center. Early. Pkt., 25c.
- 357 Madonna Improved. Early blooming, white. Pkt., 25c.
- 358 Rose Eclipse. Deep lustrous rose. Pkt., 25c.

## Tom Thumb Varieties, $\times$ 8 Inches

Suited for edging beds, and pot plants.

- 430 Pink.
- 431 Orange.
- 435 Snow Queen.
- 438 Fireball. Dark red, deep violet throat. Each of the above, pkt., 10c.
- 445 Tom Thumb Mixed.  $\frac{1}{8}$  oz. (mixed only), 25c; pkt., 10c.
- 436 Sutton's Little Gem. Miniature hybrids 4-6 in. tall suitable for rock gardens or edging, in many lovely shades. Pkt., 25c.

## Semi-Tall Sorts, 18 to 20 Inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints.

- 363 Amber Queen. Amber overlaid cham-ois pink, gold lip.
- 364 Aurora. Cinnabar carmine.
- 368 Black Prince. Nearly black, small dark leaves.
- 371 Bonfire. Orange or flame color.
- 377 Canary Bird. Light lemon-yellow.
- 382 Crimson King. Rich crimson.
- 381 Daphne. Deep rose pink.
- 378 Defiance. Cinnabar scarlet.
- 379 Empress. Rich crimson.
- 383 Fascination. Pale pink.
- 384A Fire King. Orange scarlet.
- 385 Firebrand. Fiery scarlet.
- 386 Gloria. Rose and white.
- 390 Golden Queen. Rich yellow.
- 393 Grenadier. Vivid orange, white throat, yellow lip.
- 396 Mauve Beauty. Rosy mauve.
- 397A Mont Blanc. White.
- 398 Nelrose. Old rose, shaded blush.
- 399 Peerless Pink. Cameo pink, white lip.
- 404 Prima Donna. Terra-cotta pink.
- 403 Queen of the North. Large white.
- 405 Rose Dore. A self-salmon-rose, shaded gold.

- 407 Silver Pink. Pearl pink self.
- 410 The Fawn. Terra-cotta pink, suffused yellow. Each of above, pkt., 10c.
- 409 Majus Nanum Mixed.  $\frac{1}{8}$  oz. (mixed only), 25c; pkt., 10c.

For others see Novelty Pages and Green house plant seed pages.

ASPARAGUS—See page 36.

BIRD OF PARADISE—See Poinciana page 36.



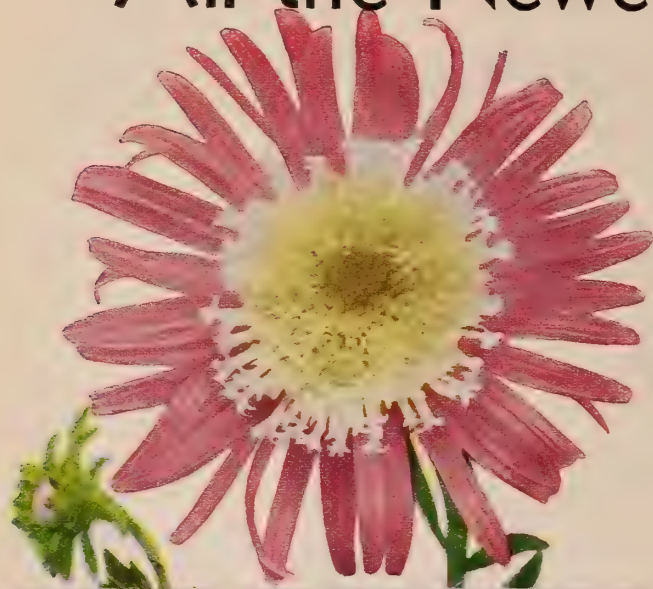
1070 BARTONIA Aurea. Pkt., 10c



1131 BELLIS Perennis Monstrosa Double Mixed. Pkt., 15c



# All the Newer Annual Asters



SUNSHINE ASTERS Top, Pink; Middle, White; Bottom, Lilac

IN the late summer and early fall the Chinese asters, with their giant double flowers, of many distinct types, and wide range of coloring are outstanding flowers in the garden and in flower shows. They are also important summer cut flowers, with long stems, and good keeping quality. However, good culture is essential in order to obtain an abundance of fine flowers. Care should be taken to plant Asters in new ground each year and the best results are obtainable if the ground is carefully prepared. They should have heavy, loamy soil and a sunny open situation with a liberal amount of lime and plant food. The plants should be cultivated frequently and tobacco dust sprinkled around the stems. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

## Giant California Sunshine Mixed

559 They are the result of a direct cross between the now well-known California Giants and the smaller Sunshine type, hence the name. Plants of this new race grow 3 feet high and bear blossoms on long, stiff stems, admirable for cutting. The individual blooms are 4 to 6 inches in diameter.

With the disk a lovely light-yellow and the encircling guard petals varying shades of Enchantress pink, apple blossom, deep-rose, blue and lavender, there are produced color contrasts startlingly beautiful. Not completely fixed to type about 50% will be true. The rogues and off types bloom first and the true giant Sunshine later. Pkt., 35c.

## The Sunshine

THE plants are bushy and strong, with many flower stalks. Some of the flowers have twisted and some quilled petals; all have a cushion center of tiny quills of a contrasting color which makes a flower look as if it were covered with snowflakes. The blue flowers are dotted with a paler blue and some in white, and the rose in a lighter shade of pink or white. 2 ft.

885 White.	883 Flesh.	887 Pink.	884 Dark Rose.
889 Light Blue.	888 Lilac.	886 Dark Blue.	

Each of the above, pkt., 15c.

890 Mixed, all colors. 1/8 oz., 35c; pkt., 15c.

## Dwarf Section

These dwarf asters were much admired in our trials last year at our Michigan Farm. They are charming little plants—bushy in habit completely covered with miniature flowers in dainty colors. Excellent for rock gardens and low borders, flowers appear early and last for a long time.

The dwarf varieties are European grown and they seem to be less liable to disease and wilt than the taller American grown sorts.

500 **Vaughan's Snowball.** 12 in. The best dwarf white.

501 **Vaughan's Pink Ball.** 12 inches. Lovely shade of pink.

505 **Vaughan's Fireball.** 12 inches. Brightest scarlet.

Each of the above, pkt., 15c.

522 **Triumph Mixed.** 10 in. Peony flowered dwarf, in many attractive shades. Pkt., 10c.

515 **Dwarf Bouquet Mixed.** 10 in. These were the outstanding of dwarf sorts in our trials. The plants appeared as little bouquets, each having a dozen or more lovely flowers an inch or more in diameter in delightful shades of shell pink, sky blue, blood red and white. Plant these in rows in the vegetable garden and cut off the complete plant for a bouquet, they last a week or more in the house. Pkt., 15c.

520 **Dwarf Chrysanthemum Flowered.** All colors mixed. 12 in. Compact growth; 3 1/2-in. flowers; free flowering and later than other varieties, therefore valuable for succession. Pkt., 10c.

521 **Dwarf Queen Mixed.** 14 in. Early flowering type, fine for pots, beds and borders. Pkt., 10c.

950 **Asters, Dwarf Mixture.** Includes many varieties and where a large mixed bed is desired will answer the purpose nicely. 1/8 oz., 25c; pkt., 10c.

## Semi-Tall Section

600 **Giant Comet.** Mixed, all colors. Is an improvement on the old Comet Class, bearing much larger flowers, with longer and broader petals. 2 ft. 1/8 oz., 30c; pkt., 10c.

550 **Daybreak Mixed.** all colors. Strong bushy plants of even growth. The full round flowers grow on strong, stiff upright stems. Valuable for bedding. 20 in. Pkt., 10c.

## Semi-Tall Section Queen of the Market

The Favorite early aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit. 16 inches.

615 White.	625 Scarlet.
617 Flesh.	630 Light Blue.
620 Pink.	640 Purple.
623 Crimson.	643 Dark Blue.

Each of the above, pkt., 10c.

645 **Mixed, all colors.** 1/8 oz., 25c; pkt., 10c.

The scarlet is a charming shade, a light ruby color.

## Outstanding Varieties

555 **Aurora Salmon Rose.** 2 feet. Pkt., 25c.

604 **Everlasting Rose.** This curious variety appeared lately in the fields of an Aster specialist. It resembles a large Helichrysum; when cut and dried it retains its color and shape as an everlasting flower. 2 ft. Pkt., 15c.

910 **Lavender Gem.** Of a true lavender shade the petals are curled and twisted, and the blooms borne on long, firm stems. 18 inches. Pkt., 15c.

920 **Peerless Pink.** Flowers globular in shape, many five inches across, of a rich shell-pink. 24 in. Pkt., 15c.

940 **Sensation.** Flowers double and incurved, of a lively cardinal-red. 24 in. Pkt., 15c.

## Early Wonder (Express)

The best extra early variety. The flowers are of good size, quite double, and borne on good stiff stems.

829 **Mixed, all colors.** 1/8 oz., 35c; pkt., 10c.

## Single Marguerite Aster

Plants strong, vigorous, free blooming, of pyramidal habit. The flowers are from 2 to 3 inches in diameter, on long stems. The small yellow centers give them a very lively appearance. They were much admired in our trial ground last year.

955 White.	970 Light Blue.
965 Pink.	975 Mauve.
964 Bright Rose.	976 Violet.
966 Crimson.	960 Dark Blue.

Each of the above, pkt., 10c.

980 **Marechal Joffre.** Large flowered red. Pkt., 15c.

985 **Mixed, all colors.** 1/8 oz. 25c; pkt., 10c.

See Novelty pages for later introductions.

## Vaughan's Excelsior Mixture of Dwarf Asters

725 It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed, especially selected for this mixture. 1/8 oz., 50c; large pkt., 25c; pkt., 15c.





### Aster Heart of France

602 **Heart of France** opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France will command admiration. 18 to 24 inches.  $\frac{1}{8}$  oz., 50c; pkt., 15c.



780 **ASTER Giant Branching Mixed. Pkt., 10c**

The Dwarf Asters are charming. Try a packet of the Dwarf Bouquet Mixed. You will be delighted with the effect.



860 **ASTER King Mixed. Pkt., 10c**

# Asters

## California Giants 36 Inches

They combine the robust habit of growth and length of stem that characterizes the Beauty type with the Ostrich Feather type of flower. A true non-lateral type.

- |                   |                  |
|-------------------|------------------|
| 686A White.       | 689 Light Blue.  |
| 687 Peachblossom. | 688 Dark Purple. |
| 689A Dark Rose.   |                  |

Each of the above, pkt., 15c.

689B **Mixed all colors.**  $\frac{1}{8}$  oz., 50c; pkt., 15c.

## Beauty

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

- |                    |                   |
|--------------------|-------------------|
| 681 White.         | 683 Rose.         |
| 681A Peachblossom. | 683B Azure Fairy. |
| 681B Sept. Beauty. | 684 Lavender.     |
| 682 Carmine-rose.  | 685 Purple.       |
| 682A Crimson.      |                   |

Each of the above, pkt., 15c.

686 **Mixed, all colors.**  $\frac{1}{8}$  oz., 35c; pkt., 15c.

## Giant Crego

The flowers are immense on stems of twelve inches or more. The petals are curled and twisted, resembling Chrysanthemums. The plants are branching and attain a height of two and one-half feet. Flowers in abundance from late August until freezing. 24 inches.

- |                 |                      |
|-----------------|----------------------|
| 690 White.      | 702 Cattleya. Orchid |
| 693 Shell Pink. | Shade.               |
| 696 Rose Pink.  | 703 Lavender.        |
| 699 Crimson.    | 709 Purple.          |
| 700 Azure Blue. | 710 Dark Blue.       |

Each of the above, pkt., 10c.

715 **Mixed, all colors.**  $\frac{1}{8}$  oz., 30c; pkt., 10c.

## Giant Branching

Excellent for cut flowers. The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid. 2 to 3 ft.

- |                   |               |
|-------------------|---------------|
| 735 White.        | 750 Crimson.  |
| 740 Peachblossom. | 760 Lavender. |
| 745 Flesh Pink.   | 770 Purple.   |
| 747 Rose Pink.    |               |

Each of the above, pkt., 10c.

780 **Mixed, all colors.**  $\frac{1}{8}$  oz., 30c; pkt., 10c.

## Giant Ostrich Feather

Finest of the comet or ostrich feather type. The flowers are larger and more abundant, petals more twisted, stems longer. Excellent cut flowers. 30 inches.

- |                        |                    |
|------------------------|--------------------|
| 785 White.             | 803 Crimson.       |
| 786 Malmaison Pink.    | 804 Sky-Blue.      |
| 791 Terra Cotta.       | 806 Silvery Lilac. |
| 792 Vermilion Carmine. | 809 Light Blue.    |
| 800 Rose.              | 812 Dark Blue.     |

Each of the above, pkt., 10c.

820 **Mixed, all colors.**  $\frac{1}{8}$  oz., 30c; pkt., 10c.

## King

Distinct from any other variety having petals somewhat resembling the quilled varieties, but larger and broader, those in the center being curled and incurved, completely covering the crown. Flowers round, full and very large. 18 to 24 inches.

- |              |                |
|--------------|----------------|
| 840 White.   | 852 Violet.    |
| 846 Rose.    | 856 Lavender.  |
| 849 Crimson. | 857 Dark Blue. |

Each of the above, pkt., 10c.

860 **Mixed, all colors.**  $\frac{1}{8}$  oz., 30c; pkt., 10c.

## Royal (Early Flowering)

Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. Second early in season. 28 inches.

- |                 |               |
|-----------------|---------------|
| 865 White.      | 875 Lavender. |
| 868 Shell Pink. | 879 Purple.   |
| 871 Rose Pink.  |               |

Each of the above, pkt., 10c.

882 **Mixed, all colors.**  $\frac{1}{8}$  oz., 30c; pkt., 10c.

## Vaughan's Excelsior Mixture of Tall Asters

990 This is a mixture of the most beautiful, striking and distinct colors of all the tall-growing asters, including the varieties listed and others especially purchased for this mixture.  $\frac{1}{8}$  oz., 50c; large pkt., 25c; pkt., 15c.



686 **ASTER Beauty Mixed. Pkt.,**

945 **Asters, Tall Mixture.** Some newer kinds, such as our Excelsior mixture contains, are lacking, but only quality varieties are included in this popular mixture. 1 oz., 75c,  $\frac{1}{4}$  oz., 25c; pkt., 10c.



703 **ASTER Crego, Lavender. Pkt., 10c**

Plant *Asperula Azurea Setosa* in front of *Callendula Orange King*. It is a pleasing combination.



820 **ASTER Giant Ostrich Feather Mixed Pkt., 10c**





1146 **BRACHYCOME Mixed** (Swan River Daisy). Pkt., 10c

### BRACHYCOME (Swan River Daisy) □

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small cinerarias, suitable for edgings, small beds or pot culture.

- 1140 White. 1143 Blue.  
1141 Pink. 1146 Mixed.

Each of the above,  $\frac{1}{8}$  oz., 25c; pkt., 10c.

## New Bush Balsam

□  $1\frac{1}{2}$  to 2 Feet

An old and favorite garden flower, producing the double flowers clustered in the axils of the leaves on short stems. The plants are sturdy and bushy and like hot sun, rich soil and plenty of water. For perfect development they should be set 12 to 18 inches apart. The bush balsam (1051) is a new type.

- 1051 **Bush Flowering Mixed**. Free-flowering double balsam of bushy growth, flowers appear in clusters on the top of stems instead of hidden on side of stems. It is a fine bedding plant. In shades of white, rose and red. Pkt., 25c.  
1010 **Alba Perfecta**. Pure white.  
1014 **Crimson**. 1018 **Dark Blue**.  
1020 **Flesh Pink**. 1022 **Lemon Queen**.  
1023 **Nilsson Rose**. Deep dark rose.  
1025 **Lilac**.  
1027 **Prince Bismarck**. Salmon-pink.  
1031 **The King**. Brilliant scarlet.  
1033 **The Queen**. Pale rose.

Each of the above, pkt., 10c.

- 1040 **Double Rose and Camellia-flowered Mixed**. Pkt., 10c;  $\frac{1}{8}$  oz., 25c.  
1050 **Dwarf Balsams Mixed**. 8 in. Perfect little bushes with double and semi-double flowers. Pkt., 10c.  
1055 **Goliath White**. 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. Pkt., 10c.  
1057 **Goliath Scarlet**. 4 ft. Extremely brilliant, large and very double. Pkt., 10c.  
1059 **Goliath Chamois Rose**. 4 ft. A most pleasing color. Pkt., 10c.  
1045 **VAUGHAN'S INVINCIBLE BALSAMS MIXED**. Includes everything that is desirable in Balsams. Pkt., 10c;  $\frac{1}{8}$  oz., 30c.

### BALSAM

- 1008 **Apple and Pear Mixed** □ = 10 ft. Ornamental and quick-growing climber. Excellent for covering unsightly places. The flowers are followed by ornamental fruits containing the seed. Pkt., 10c.

### BRIZA

- 1150 **Maxima (Quaking Grass)** □ 12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart-shaped and seem almost constantly in motion. Pkt., 10c.

### BROMUS

- 1153 **Brizaeformis**. □ 2 ft. Annual Grass with large drooping panicles. Pkt., 10c.

### BRYONOPSIS

- 1165 **Laciniosa** □ = 10 ft. An ornamental climber of the gourd family, bearing green fruit which changes in color to bright scarlet-striped white. Pkt., 10c.

### BASILICUM □ 6 to 10 Inches

- 1166 **Bush**. Globe shaped, bushy, with vivid green, fragrant foliage, used as edging plant and in window or porch boxes. May be potted up for the house during the winter. Endures city smoke. Pkt., 10c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz. 40c; 1 oz. 75c.

# Begonias

## Unequalled for Color All Summer

### BEGONIA □

#### Ever-Blooming Bedding Varieties

A continuous flowering class of greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make decorative winter house plants.

- 1071 **Christmas Cheer Red**. The blossoms attain a diameter of two inches. Dark crimson-scarlet. Pkt., 50c.  
1072 **Christmas Pink**. Identical with above variety except the color is warm rose-pink. Pkt., 50c.  
1074 **Radio**. A very large-flowered, shining pure carmine-scarlet. Pkt., 25c.  
1078 **Gracilis Luminosa**. Large, bright scarlet flowers. Pkt., 25c.  
1075 **Mignon**. Bright salmon-scarlet. Pkt., 15c.  
1081 **Prima Donna**. 1 ft. Brilliant, clear pink, shading to carmine-rose. Pkt., 25c.  
1076 **White Pearl**. White, foliage green. Pkt., 25c.  
1084 **Semperflorens Atro-purpurea Vernon**. Orange-carmine flowers, deep red foliage. Pkt., 10c.  
1082 **Flame of Love**. 1 ft. Brilliant scarlet flowers with shining golden yellow stamens. Foliage bright green, tinted brown. Pkt., 35c.  
1073 **Gustav Knaake**. Flowers glowing pink, salmon blend; leaves green with bronze shade. Pkt., 50c.



1086 **BEGONIA Salmon Queen**. Pkt., 35c

- 1086 **Semperflorens Salmon Queen**. Large salmon flowers with dark leaves. Pkt., 35c.  
1087 **Striegau**. 10 inch. A compact and dwarf grower. The individual blooms are very large, fully  $2\frac{1}{2}$  in. in diameter. The color is a rich and fiery carmine. Pkt., 50c.  
1088 **Winter Romance**. The foliage is juicy light green, the flowers are carmine pink. Pkt., 50c.  
1094 **Wuerttembergia**. Blood-red. Pkt., 25c.  
1090 **Semperflorens Mixed**. Pkt., 10c.

*Begonia Seed Is Very Fine.*

## Tuberous Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted begonias for greenhouses and for summer bedding. Seedlings raised in heat early flower the same summer.

- 1099 **Single Mixed**. Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.  
1100 **Narcissus Flowered**. Resemble large Trumpet Narcissi. Various tones of scarlet and carmine, light and dark yellow, orange, buff, rosy white, and many new tones of rose from light to dark. Pkt., 50c.  
1101 **Lloydii**. This variety is excellent for hanging baskets or window boxes, owing to its drooping habit. The flowers are pendulous, double in form, and in various tones of rose and carmine. Pkt., 50c.  
1103 **Double Mixed**. Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.  
1105 **Frilled Mixed**. Best frilled flowers. Pkt., 35c.

### CACTUS ÷

In view of the great interest in Cacti, we offer seeds of popular types in mixture, and a few better known varieties separately; also a collection of ten varieties in separate packets. Growing Cacti from seed is an easy and interesting pastime, each miniature plant being as perfect as the parent, and most of the varieties here offered developing comparatively fast. The seeds germinate irregularly, over a period of from 14 to 40 days. All the bags have cultural directions. We also offer a booklet "Cacti in the Home" containing much valuable information on Cacti. Price, 35c.

- 1252 **Cereus** (Column cacti) mixed.  
1253 **Echinocactus** (Hedgehog-cacti) mixed.  
1254 **Echinocereus** (Cluster-cacti) mixed.  
1255 **Echinopsis** (Tube-flowering hedgehog-cacti)  
1256 **Mamillaria** (Wart cacti) mixed.  
1257 **Opuntia** (Fig-cacti) mixed.  
1251 **Cacti**. All kinds and forms mixed.

Any of above, per pkt., 25c; any 5 for \$1.00.

- 1251A **Collection**. 10 sorts, each in illustrated bag with cultural directions. Each, \$1.00.  
1258 **Cephalocereus Senilis** (Old Man Cactus). Pkt., 25 seeds, 25c.  
1258A **Cereus Grandiflorus** (Queen of the Night). Pkt., 10 seeds, \$1.00.  
1259 **Lithops Lesliei** (Flowering Stones). Pkt., 20 seeds, 35c.

### BROWALLIA □ 1 Foot

Profusely blooming bedding plants, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back.

- 1155 **Speciosa Major**. Brilliant ultramarine blue; a rare color; for border or hanging baskets. Pkt., 25c.  
1154 **Speciosa Major Alba**. White. Pkt. 15c.  
1156 **Elata White**. Pkt., 10c.  
1157 **Elata Blue**. Pkt., 10c.  
1160 **Elata Mixed**. Blue and White. Pkt., 10c.

**BURNING BUSH**—See Kochia.



1051 **BALSAM Bush**. Pkt., 25c

**BLACK-EYED SUSAN**—See Rudbeckia Hirta (Perennial seeds) and Thunbergia (annual seeds).



1155 **BROWALLIA Speciosa Major**. Pkt., 25c





1172 CACALIA Aurea. Pkt., 10c

**CACALIA (Tassel Flower) □ 2 ft.**

Each flower is a miniature paint brush produced on long wiry stems which make it an excellent cut flower.  
 1172 Aurea. Pkt., 10c. 1171 Scarlet. Pkt., 10c.  
 1170 Mixed. Scarlet and yellow.  $\frac{1}{4}$  oz., 25c; pkt., 10c.



1245 CALLIOPSIS Vaughan's Special Mixture. Pkt., 10c

**Gay Calliopsis Clan (Coreopsis) □**

The annual coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange, including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self-seed.

- 1209 **Bicolor Splendens.** Large golden yellow flowers with brown centers. Pkt., 10c.  
 1210 **Crown of Gold.** 20 in. Pure golden yellow, 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c.  
 1211 **Tom Thumb, Crimson King.** Height 6 to 7 in., forms a perfect little bush, with rich, dark crimson flowers. Pkt., 10c.  
 1213 **Golden Ray.** 6 to 8 in. Golden yellow with dark, purplish brown center. Pkt., 10c.  
 1216 **Drummond's Golden Wave.** 2 ft. Yellow with a circle of rich crimson-brown around the eye.  $\frac{1}{4}$  oz., 25c; pkt., 10c.  
 1217 **Nigra Speciosa.** 3 ft. Rich reddish maroon. Pkt., 10c.  
 1221 **Radiata Tigrinia (Tiger Flower).** 6 to 8 in. Flowers large reddish brown, turning golden yellow. Pkt., 10c.  
 1224 **Tom Thumb Dazzler.** Large, rich maroon-red flowers with broad golden-yellow border. Pkt., 25c.  
 1235 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders. Pkt., 10c.  
 1240 **Double Mixed,** all colors Pkt., 10c.  
 1245 **VAUGHAN'S SPECIAL MIXTURE.** It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it.  $\frac{1}{4}$  oz., 30c; pkt., 10c.

**CAMPANULA □**

- 1248 **Attica.** 4 in. Dwarf annual flowers profusely and for a long period, color violet. Pkt., 15c.  
 1249 **Lorei.** 6 in. A very desirable annual species. The plants form pretty tufts of foliage, above which appear lively pale blue flowers, shaded violet. Pkt., 15c.

**CANTERBURY BELLS**—See Campanula Medium on page 68.

**Quality Carnations**

Double carnations of first quality, similar in all respects to the greenhouse product, can easily be grown from seed in the outdoor garden. Plants can be lifted in the fall, cut back, potted, and they will flower again indoors. They are hardy and should have an early start, preferably indoors, or in hotbed or greenhouse.

- 1335 **American Hybrids.** A valuable race of large-flowered carnations, borne on long wiry stems for a long season. Pkt., 35 seeds, 25c.  
 1345 **Guillaud Riviera Market.** Nearly all double flowers of fine form and delicate colors, including yellow. Pkt., 25c.  
 1350 **Giant Margaret Mixed.** Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt., 100 seeds, 15c.

**Improved Early Flowering Perpetual.** Plants bloom in about five months from sowing and continue all summer. The flowers are very double, of large size. The calyx does not split. They are borne on stiff stems 15 to 18 inches high. Our strain will produce 90% double flowers and comes true to color.

- |                  |                   |
|------------------|-------------------|
| 1336 White.      | 1340 Scarlet.     |
| 1337 Yellow.     | 1341 Maroon.      |
| 1338 Rose Pink.  | 1342 Salmon Rose. |
| 1339 Flesh Pink. |                   |

Each of the above. Pkt. (100 seeds), 25c.  
 1343 **Mixed all colors.** Pkt. (100 seeds), 25c.

**Double Chabaud Giant, Enfant de Nice Carnations** are the result of a cross between two French varieties. They are of compact growth with extremely stiff stems bearing flowers which are up to  $2\frac{1}{4}$  to  $2\frac{3}{4}$  inches in diameter without disbudding the plants. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

- |  |            |
|--|------------|
| 1325 White.                            | 1327 Rose. |
| 1326 Salmon.                           | 1328 Red.  |
| 1329 Mixed from varieties noted above. |            |

Each of above, Pkt., 35c.  
 1360 **Margaret, Double Mixed.** Pkt., 10c.  
 1365 White. 1375 Pink.  
 1370 Yellow. 1385 Red.

Each of the above, pkt., 10c.  
 1390 **VAUGHAN'S SPECIAL MIXTURE.** This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom all winter in the house. Pkt., 100 seeds, 25c.

See also Hardy Perennials.

**CALCEOLARIA**—See page 36.

**CALIFORNIA POPPY**—See Escholtzia.

**CASTOR OIL PLANT**—See Ricinus.



1390 CARNATION Vaughan's Special Mixture. Pkt., 25c



1250 CANARY BIRD VINE. Pkt., 10c

**CANARY BIRD VINE □ =**

1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade.  $\frac{1}{4}$  oz., 30c; pkt., 10c



1320 CARDINAL CLIMBER. Pkt., 10c

**Cardinal Climber**

□ = 25 ft.

1320 A strong and rapid growing annual vine attaining a height of 25 feet, with beautiful fern-like lacinated foliage and covered with fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1. The vines are a favorite play ground of humming birds. Pkt., 10c.

**CALANDRINIA □**

- 1175 **Grandiflora.** 16 in. Handsome, hardy annual; fleshy leaves and bright rose-colored flowers; especially suitable for sunny situations. Pkt., 10c.  
 1177 **Umbellata.** 6 in. Hardy perennial of trailing habit, producing brilliant, crimson flowers. Excellent for rockwork and sunny situations. Blooms the first season. Pkt., 10c.

**CENTROSEMA □ = 10 ft.**

1610 **Butterfly Pea.** A hardy vine of rare beauty bearing in profusion pea-shaped flowers, ranging in color from rosy violet to reddish purple, with backs of pure white. Pkt., 15c.





1191 CALENDULA Ball Orange. Pkt., 25c

## New Calendulas

### POT MARIGOLDS □

An old-fashioned annual glorified by plant breeding, which increased its size, purified its colors and improved its form. The finest new varieties retain the vigor and free blooming qualities of the race; flowering from early summer until freezing, with continually improving size and quality.

- 1190 **Orange King.** 18 in. Outer petals are slightly imbricated, while the centers are in curved. A glowing orange.  $\frac{1}{4}$  oz. 25c; pkt., 10c.
- 1191 **Ball Orange.** It has fine stems and immense double flowers of a brilliant glistening orange.  $\frac{1}{4}$  oz. 65c; pkt., 25c.
- 1193 **Sulphur Queen.** 20 in. Large sulphur-yellow.  $\frac{1}{4}$  oz., 25c; pkt., 10c.
- 1196 **Meteor.** 20 in. Apricot-orange, striped primrose.  $\frac{1}{4}$  oz., 25c; pkt., 10c.
- 1197 **Pongei.** 12 in. Double white. Pkt., 10c.
- 1198 **Apricot.** A charming and delightful shade, soft yellow with a suggestion of salmon-pink.  $\frac{1}{4}$  oz. 25c; pkt., 10c.
- 1199 **Radio.** The flowers are medium size, and clear orange. The petals are beautifully quilled giving an extraordinary beauty. Pkt., 25c.
- 1205 **Mixed, all colors.** For woodlands and perennial borders.  $\frac{1}{4}$  oz., 20c; pkt., 10c.
- 1206 **VAUGHAN'S SPECIAL MIXTURE.** We have added in recent years several attractive novelties of this family to our list and to enable our friends to become familiar with these at a lower price than the separate varieties are offered we have made this mixture, according to a formula. And add it to our list of "Vaughan's Special Mixtures" for the first season. Pkt., 15c.

CHINESE LANTERN PLANT—See Perennials.

CHINESE FORGET-ME-NOT—See Cynoglossum Amabile.

CHRISTMAS ROSE—See Helleborus Niger in perennial pages.



1205 CALENDULA Mixed. Pkt., 10c

## SPECIAL MIXTURE OF ANNUALS FOR CUT FLOWERS

1400 This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has, the secret being not to allow any seed pods to form. Pkt., 15c;  $\frac{1}{2}$  oz., 30c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50; lb., \$5.00.

## CELOSIA (Coxcomb) □ 8 in.

### Crested Dwarf Sorts

The name coxcomb is derived from the resemblance of the flower heads of the crested type to a cock's comb, in form, though in texture they are like plush or chenille. The crested type thrive in light soil and are used for mass effects in beds, or in pots. The plumed type like rich soil. Seeds germinate quickly and should be sown after danger of frost is over.

- 1410 **President Thiers.** Fine dwarf habit, with bronzy foliage, and large, velvety crimson combs. Pkt., 10c.
- 1415 **Empress.** Blood-red combs and brown foliage. Pkt., 10c.
- 1420 **Aurea.** Golden yellow combs. Pkt., 10c.
- 1430 **Dwarf Mixed.** Pkt., 10c.

### Crested Tall, Sorts 18 to 24 in.

- 1431 **Chamois.** 1433 **Golden Yellow.**
- 1432 **Crimson.** 1437 **Scarlet.**
- Each of above, pkt., 15c.
- 1435 **Tall Mixed.** Pkt., 10c.



1465 CELOSIA Childsii-Crimson. Pkt., 15c

## Ostrich Plume Varieties, □ 2 to 3 ft.

They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

- 1440 **Aurea.** Orange. Ostrich Plume. Pkt., 10c.
- 1445 **Coccinea.** Crimson Ostrich Plume. Pkt., 10c.
- 1450 **Ostrich Plume Mixed,** all colors. Pkt., 10c.
- 1455 **Thompsoni Magnifica.** A choice strain of the Ostrich Plume Celosias. Pkt., 10c.
- 1462 **Chrysanthemiflora.** Produces compact round flower heads in many colors, the deep crimson and pastel shades being particularly attractive, the stems round, straight and strong. Pkt., 10c.
- 1465 **Chinese Woolflower. Crimson.** (Celosia Childsii). Grows rapidly into a plant 2 to 3 feet high with many branches which in turn are branched, each growth terminating in a flower head resembling a ball of scarlet wool. The color endures unfading until frost, deepening into crimson scarlet. Pkt., 15c.
- 1466 **Chinese Woolflower. Deep Rose.** This variety is exactly like the original Chinese Woolflower, only the color is a deep rose instead of scarlet. Pkt., 15c.
- 1456 **Parrot's Feather.** The stocky, branched plant bears terminal flower heads of fantastic shapes and varied coloring including silvery pink and salmon, red, maroon, yellow and orange. Pkt., 10c.
- 1460 **Pride of Castle Gould.** Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.
- 1475 **Dwarf Plumosa Mixed.** Good for pots. 15 inches. Pkt., 10c.



1260 CANDYTUFT Giant Hyacinth-Flowered. Pkt., 10c

## For Mass Planting

### CANDYTUFT (Iberis) □

For mass planting, interplanting with taller flowers and for edging beds and borders, the candytuft is admirable, and the hyacinth flowered type, bearing flowers in long clusters, makes good cut flowers. Successive plantings give flowers all summer.

1260 **Giant Hyacinth-Flowered White.** 1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. Oz., 85c;  $\frac{1}{4}$  oz., 25c; pkt., 10c.

**Umbellata** sorts grow about 1 ft. tall with flowers in umbrella form, we offer the following six colors and mixed as noted below.

- |                          |                        |
|--------------------------|------------------------|
| 1275 <b>Alba, white.</b> | 1277 <b>Flesh.</b>     |
| 1276 <b>Carmine.</b>     | 1282 <b>Rose Pink.</b> |
| 1279 <b>Purple.</b>      | 1287 <b>Mixed.</b>     |
| 1286 <b>Lilac.</b>       |                        |

Each of the above,  $\frac{1}{4}$  oz., 25c; pkt., 10c.

1270 **Queen of Italy.** 8 in. Dwarf bushes covered with large pink blooms.  $\frac{1}{4}$  oz., 25c; pkt., 10c.

1290 **Dwarf Hybrids Mixed.** 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink and delicate blush to lilac and purple-crimson. Pkt., 10c.

- |                          |                            |
|--------------------------|----------------------------|
| 1291 <b>Dwarf White.</b> | 1292 <b>Dwarf Flesh.</b>   |
| 1293 <b>Dwarf Rose.</b>  | 1294 <b>Dwarf Crimson.</b> |
| 1295 <b>Dwarf Lilac.</b> |                            |

Each of above  $\frac{1}{4}$  oz., 25c. Pkt., 10c.

1289 **Little Prince.** 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf, sturdy plants. Pkt., 10c.

## CANNA ÷ 2½ to 4 ft.

Cannas can be successfully grown from seed if planted early. Pour boiling water over the seeds; take them out after 24 hours and sow at once in sand. Give some bottom heat and cover  $\frac{1}{4}$  to  $\frac{1}{2}$  inch. The seed germinates irregularly in two to four weeks.

1310 **Giant Flowered, Mixed.** Pkt., 10c.

1311 **New Varieties, Mixed.** Seeds from the collection of a French specialist who has given much attention to this plant. Pkt., 25c.



1287 CANDYTUFT Umbellata Mixed. Pkt., 10c



1570 *CENTAUREA Imperialis*, Mixed. Pkt., 10c1580 *CENTAUREA Suaveolens*. Pkt., 10c1535 *BACHELOR'S BUTTONS* Vaughan's Special Mixture. Pkt., 10c

# Colorful Family of Annual Centaureas

## Cyanus (Bachelor's Button or Cornflower)

They are easy to grow and bloom continuously. Just sow the seed broadcast wherever you want the plants to grow. If the soil is rich, the flowers will be larger and have longer stems. Make sowings at intervals of three weeks apart, beginning in early May.

### Single Flowering

- 1525 *Dwarf Victoria*. Blue, 9 in. Neat and compact dwarf variety with a profusion of deep blue flowers, useful for edgings. Pkt., 10c.

### Double Flowering Varieties 2 ft.

- |                            |               |
|----------------------------|---------------|
| 1500 Pure White.           | 1511 Mauve.   |
| 1505 Blue.                 | 1512 Crimson. |
| 1510 Pink and Rose Shades. | 1515 Purple.  |

Each of the above,  $\frac{1}{4}$  oz., 25c; pkt., 10c.

- 1520 *Double Mixed*.  $\frac{1}{4}$  oz., 20c; pkt., 10c.
- 1535 **VAUGHAN'S SPECIAL MIXTURE OF BACHELOR'S BUTTONS** double and single varieties:  $\frac{1}{4}$  oz., 25c; pkt., 10c.

## Imperialis (Giant Sweet Sultan) 2½ ft.

Finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition.

- |                                 |
|---------------------------------|
| 1540 White.                     |
| 1545 Lilacina. Dark lilac.      |
| 1550 Brilliant Rose.            |
| 1560 Splendens. Purple crimson. |
| 1565 Deep Lavender.             |
| 1566 Amaranth. Rich plum color. |

Each of the above, pkt., 10c.

- 1570 *Imperialis*, Mixed, all colors.  $\frac{1}{4}$  oz., 25c; pkt., 10c.

1590 **VAUGHAN'S SPECIAL MIXTURE OF CENTAUREA**. Includes all the annual Centaureas, and a packet will produce cut flowers all summer.  $\frac{1}{4}$  oz., 25c; pkt., 10c.

## Various Centaureas

- 1480 *Americana*. 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. Pkt., 10c.

- 1485 *Americana Alba*. 2½ ft. Star Thistle. Immense heads of double fluffy blooms, almost pure white. Pkt., 10c.

- 1575 *Moschata*, Mixed. 2 ft. Sweet Sultan, white, red and blue. Pkt., 10c.

- 1580 *Suaveolens*. 2 ft. (Yellow Sweet Sultan or Grecian Cornflower.) Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well.  $\frac{1}{4}$  oz., 30c; pkt., 10c.

## White Leaved Centaureas (Dusty Millers for Bedding)

- 1595 *Candidissima*. 10 in. Thick silvery white leaves. Should be sown early. Pkt., 10c.

- 1600 *Gymnocarpa*. 1½ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c.

- Cineraria Maritima* Diamond is also known as Dusty Miller.

## CHEIRANTHUS #

- 7440 *Allioni* (Siberian Wallflower). 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Best used as a biennial as it frequently blooms itself to death. Blooms from seed the first year. Pkt., 10c.

- 1609 *Kewensis*. 12 in. A brilliant orange-yellow biennial which blooms freely from seed first year. Pkt., 25c.

- 1611 *Linifolius* (Alpine Wallflower). 9 in. Wallflower-like blossoms of an uncommon lilac shade. Pkt., 15c.

7440 *CHEIRANTHUS Allionii* (Siberian Wallflower). Pkt., 10c

## CLARKIA □ 2 ft.

The flowers have been described as resembling sprays of flowering almond, and the rose and pink tones are especially attractive. They are hardy, germinate quickly and flower from July to Oct. They do well in sandy soil.

- 1740 *Apple Blossom*. Double apple blossom.

- 1743 *Brilliant*. Double salmon-scarlet.

- 1746 *Chamois*. Double.

- 1748 *Orange King*. Double bright orange scarlet.

- 1751 *Purple Prince*. Double.

- 1755 *Queen Mary*. Double rose carmine.

- 1760 *Salmon-Pink*. Double salmon.

- 1765 *Scarlet Queen*. Double orange-salmon.

- 1766 *Vesuvius*. Double fiery scarlet and rose.

- 1770 *White Prince*. Very double, pure white. Each of above, pkt., 10c.

- 1790 **VAUGHAN'S SPECIAL MIXTURE**. Made up especially from the above named varieties.  $\frac{1}{4}$  oz., 25c; pkt., 10c.

## CLEOME

- 1800 *Pungens* (Spider Plant). □ 5 ft. A showy garden annual producing curious heads of flowers of bright rose; of easy cultivation, blooming until late; a good bee plant. Produces unique effect in the border. Pkt., 10c.

COCKSCOMB—See *Celosia Cristata*.

## CLIANTHUS

- 1810 *Dampieri* (Glory Pea of Australia). + 2 ft. The flowers are not very unlike the *Erythrina*, very freely produced in hanging clusters, bright red with a black spot. Sow seed in sandy soil where the plants are to remain. 15 seeds, 25c.

## CINERARIA (Dusty Miller)

- 1730 *Maritima*, Diamond. 16 in. White leaved, for bedding only. Seed should be started early in the house. Pkt., 10c.

*CINERARIA HYBRIDA*—See page 36.

## COIX

- 1850 *Lachrymae* (Job's Tears). □ 2 to 4 ft. An ornamental grass with curious seeds which may be used as beads. 1 lb., \$1.00;  $\frac{1}{4}$  lb., 30c; 1 oz., 10c.

## COLLINSIA

- 1870 *Mixed*. □ 18 in. All species are brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. Pkt., 10c.

CORN RAINBOW—See *Zea Japonica*.

1790 *CLARKIA* Vaughan's Special Mixture. Pkt., 10c





1700 **CHRYSANTHEMUM** Vaughan's Special Single and Double Annual Mixed. Pkt., 10c



1660 **CHRYSANTHEMUM** Coronet. Pkt., 15c



### COSMIDIUM

1930 **Orange Crown**. □ 2 ft. The flowers are golden yellow with a broad circle of a rich orange around the disc, a pleasing combination. Plants produce a succession of bloom all summer. Pkt., 10c.

## Tall 'Mums for the Border

### Single Flowering Varieties. 20 in. □

Sown in April, they begin flowering in July. The double varieties, which grow 4 feet high, make imposing border plants in midsummer. All types should be pinched back to encourage branching, and grown in rich soil.

- 1620 **Morning Star**. Petals primrose-yellow with halo of deeper yellow; dark yellow disc. Pkt., 10c.  
 1625 **Evening Star**. Rich sunflower-yellow, disc dark yellow. Pkt., 10c.  
 1626 **Eastern Star**. Primrose, brown disc. Pkt., 10c.  
 1627 **Purpleum W. E. Gladstone**. Rich, velvety purple, yellow ring. Pkt., 10c.  
 1635 **Burridgeanum**. Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.  
 1640 **Golden Feather**. Foliage striking yellow; flower with a crimson ring near center. Pkt., 10c.  
 1645 **The Sultan**. Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.

### CLINTONIA (Downingia)

- 1815 **Pulchella**. 4 to 6 in. A very attractive Lobelia-like half hardy annual. The flowers have a white ground, effectively marked with blue; suitable for edging, pots and rock gardens. Pkt., 25c.

### COBAEA

- 1820 **Scandens, Cathedral Bells** □ = 30 ft. One of the handsomest rapid growing climbers. The bell-shaped flowers open a clear green, but turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer.  
 1825 **Flore Albo**. White.  
 1830 **Mixed**. White and blue.  
 Each of the above, pkt., 10c



1820 **COBAEA** Scandens. Pkt., 10c

### Double Flowering Varieties. 4 ft.

- 1650 **Northern Star**. White fringed petals with canary-yellow zone, brown eye. Pkt., 10c.  
 1655 **Vaughan's Special Single Mixed**. Showy flowers of bright colors. ¼ oz., 25c; pkt., 10c.  
 1660 **Coronaria Nanum Single Coronet**. 1½ ft. Flowers cream, distinctly edged lemon. Pkt., 15c.  
**Double Flowering Varieties. 4 ft.**  
 1656 **Coronarium Double White**. Pkt., 10c.  
 1659 **—Double Golden Yellow**. Pkt., 10c.  
 1695 **Vaughan's Special Mixture of Double Chrysanthemums**. ¼ oz., 25c; pkt., 10c.  
 1700 **VAUGHAN'S SPECIAL MIXTURE**. Single and double sorts in finest mixture including many new varieties not catalogued. ¼ oz., 25c; pkt., 10c.  
 1705 **Frutescens**. Paris daisy or Marguerite. Large white star-shaped flowers. Pkt., 10c.  
 The following are valuable for pots:  
 1710 **Chinese and Japanese Varieties Mixed**. Sow seed in February or March, the plants will bloom by fall. Pkt., 100 seeds, 25c.

### CONVOLVULUS (Morning Glory) □ = Major—Tall Varieties

The Morning Glory is too well known to need a description. There are few more satisfactory vines.

- 1900 **Mixed**, all colors. 1 lb., \$1.00; ¼ lb., 30c; 1 oz., 15c; pkt., 10c.  
 1905 **Double Mixed**. The flowers are double and semi-double and some are fringed. Pkt., 10c.  
 1910 **Double Snow Fairy**. The blossoms are white and curiously formed, a flower within a flower. Pkt., 10c.

### Minor—Dwarf or Bush Varieties. 1 ft.

Showy hardy annuals for beds and borders, also rock-work; they bloom for a long period and delight in sun.

- 1919 **Dwarf Blue**. Beautiful blue flowers on a dwarf bushy plant. Fine for edging or rock work. Oz., 25c; pkt., 10c.  
 1920 **Mixed**, all colors. 1 oz., 15c; pkt., 10c.

**CONVOLVULUS MAURITANICUS**—See Perennial pages

### COLLOMIA

- 1871 **Coccinea** □ 9 in. Hardy annual of compact habit, producing large heads of brilliant orange-red starry flowers; very distinct in color. Pkt., 10c.

### COLEUS

- 1855 **Vaughan's Mammoth Rainbow Mixture** ÷ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches long 8 inches wide heart-shaped and frilled; their color combinations are remarkably rich. Pkt., 25c.  
 1860 **Fine Mixed**. Pkt., 10c.  
 1861 **Large Leaved Copper Color**. Pkt., 25c.

### CUPHEA

- 2000 **Platycentra (Cigar Plant)** ÷ 10 in. Small scarlet and black tubular flowers. Pkt., 20c.

**CYCLAMEN**—See page 36

### CYPERUS

- 2030 **Alternifolius (Umbrella Plant)** + 1½ ft. Ornamental foliage plant with shining green fronds resembling a miniature palm. Grows in water with rich soil or mud. Fine plants can be grown from seed in less than three months. Pkt., 10c.



2040 **CYPRESS VINE** Mixed. Pkt., 10c

### CYPRESS VINE □ = 10 ft.

A very graceful, twining annual climber with delicate, fernlike foliage, and a profusion of star shaped blossoms

- 2040 **Mixed Scarlet and White**. ½ oz., 20c; pkt., 10c.

2045 **Ivy-Leaved Scarlet**. Deeply lobed, ivy-like leaves, and small scarlet flowers. Pkt., 10c.



1855 **COLEUS** Vaughan's Mammoth Rainbow. Pkt., 25c





1994 COSMOS Double Early Flowering Mixed. Pkt., 25c



1954 COSMOS Miniature Golden. Pkt., 15c



1950 COSMOS Early Flowering Mammoth Mixed. Pkt., 10c

# Cosmos for Summer and Autumn Color

## COSMOS □ 4 to 6 ft.

While early varieties begin flowering in July, cosmos reaches the height of its beauty in the autumn, when it becomes one of the dominant border families. Given plenty of room, the tall plants branch freely, and are effective both in their abundant flowers, and their feathery foliage

### Early Flowering Mammoth

1935 White. 1945 Crimson.

1940 Pink.

Each of the above, ¼ oz., 25c; pkt., 10c.

1950 Early Flowering Mammoth Mixed, all colors. ¼ oz., 20c; pkt., 10c.

1955 Early Harbinger Mixed. Contains new tones such as soft pink, peach, apple-blossom, lavender and others all of the early giant flowering type. Pkt., 25c.

1980 Klondyke. A gorgeous orange-yellow flower with very handsome foliage more coarsely lacinated than others. In the Northern States seed should be sown early in pots and the pots plunged in the ground after all danger of frost is over, as the roots have to be confined to produce flowers. Pkt., 10c.

1954 Miniature Golden. 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower or edging plant. Pkt., 15c.

## DIDISCUS COERULEUS

2310 Lavender Lace Flower □ 3 ft. Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides. Excellent for bedding and desirable cut flower. ½ oz., 25c; pkt., 10c.



2310 DIDISCUS Coeruleus. Pkt., 10c



1998 CREPIS Barbata Rosea. Pkt., 15c

## CREPIS

1998 Barbata Rosea □ 18 in. (Hawkweed) Showy semi-double star flowers of bright rose color. Bushy plant attractive in the garden and useful for cutting purposes. Pkt., 15c.

## DATURA (Angel's Trumpet) □ 3 ft.

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make fine pot plants for the greenhouse.

2100 Cornucopia (Horn of Plenty). Immense flowers, triplicate in form, one within the other; rich violet, with white interior. Pkt., 10c.

2105 Golden Queen. Bright yellow flowers.

2110 Double White. 2115 Double Fine Mixed.

Each of the above, pkt., 10c.

## ANNUAL CLIMBERS

315 Antigonon leptopus. Pkt., 10c.

995 Balloon Vine. Pkt., 10c.

1008 Balsam Apple and Pear Mixed. Pkt., 10c

1165 Bryonopsis Laciniosa. Pkt., 10c.

1250 Canary Bird Vine. Pkt., 10c.

1320 Cardinal Climber. Pkt., 10c.

1820 Cobaea Scandens. Pkt., 10c.

1900 Convolvulus Major, Mixed. Pkt., 10c.

2040 Cypress Vine, Mixed. Pkt., 10c

2340 Dolichos Mixed. Pkt., 10c.

2660 Gourds Mixed. Pkt., 10c.

2850 Humulus Japonicus. Pkt., 10c.

Ipomoea, all varieties.

3215 Maurandya Mixed. Pkt., 10c.

3220 Melothria Punctata. Pkt., 10c

3745 Tall Nasturtium, Vaughan's Special Mixed.

Pkt., 10c.

5640 Thunbergia Mixed. Pkt., 10c.

5847 Wild Cucumber. Pkt., 10c.

## Anemone Flowered or Crown and Crested

These are distinct in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remaining the same.

1981 Crimson. 1983 White Queen.

1982 Pink Beauty. 1984 Mixed.

Each of the above, pkt., 15c.

1970 Hollywood Star. It has a center from which issue quilled petals, the tips of which are slightly curled. It is a mixture of red, white and pink. Pkt., 25c.

## Double Early Flowering

These grow to a height of about three feet, forming a perfect bush, massed with bloom, bearing beautiful double flowers of good size, on long stems. They come about 65 per cent double from seed.

1990 Pink.

1991 White.

1992 Crimson.

Each of the above, pkt., 25c.

1994 Above 3 colors mixed Pkt., 25c.

## CYNOGLOSSUM

2015 Amabile, Chinese Forget-Me-Not. □ 18 to 24 in. Produces large sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ½ oz., 25c; pkt., 10c.

2016 Linifolium. 9 in. Charming white Forget-Me-Not like flowers with silvery foliage. Pkt., 10c



2015 CYNOGLOSSUM Amabile (Chinese Forget-Me-Not). Pkt., 10c



# Grow Dahlias from Seed



## DAHLIA

2057 **Coltness Gem.** The color is a bright scarlet and the single flowers are produced in abundance. Fine for bedding or growing singly in the smallest gardens. Pkt., 35c.



2090 **DAHLIA** Vaughan's Special Mixture. Pkt., 25c

## DAHLIA □

All types of dahlias, large flowered, pompon and the small bedding type so popular abroad, may be grown easily from seed and will blossom the first year. The Coltness bedding dahlias, sown outdoors when frost danger is over, will blossom in July, and are no more difficult to handle than zinnias. With the large flowered types, an earlier start is advisable. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden, and from then on they will prove no more trouble than if tubers had been used instead of seed.

### Single Flowering

2055 **Collarette, Mixed Colors.** 3 ft. Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.

2056 **Coltness Hybrids.** 18 in. Habit neat and compact, blooms from July until frost. The flowers of red and yellow have either flat or slightly fluted petals, and are nearly all three inches in diameter. Pkt., 35c.

2065 **Giant Perfection Mixed.** 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c.

2090 **DAHLIA, VAUGHAN'S SPECIAL MIXTURE.** This mixture contains seed from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Lilliput and Cactus varieties, also the single flowering and striped sorts. Pkt., 60 seeds, 25c.

### Double Flowering

- 2070 **Double Good Mixed.** 3 ft. Pkt., 10c.  
 2075 **Double Cactus Flowered Mixed.** 3 ft. With twisted and curled petals. Pkt., 15c.  
 2080 **Double Best Mixed.** 3 ft. Saved from show and fancy sorts. Pkt., 25c.  
 2089 **Double Lilliput Mixed (Pompon).** 1 ft. Small flowered splendid assortment. Pkt., 15c.  
 2082 **Hornsveld's Giants.** Wonderful new single and semi-double flowers in many brilliant colors. Pkt., 50c.

See also Novelties.

## DIANTHUS

### (Annual Garden Pinks) □ 1 ft.

This branch of the dianthus family bears both single and double flowers, fragrant, with fringed petals, and brilliant colors, often marked in contrasting stripes and spots. Started indoors, in February, plants should bloom outdoors in August. Plants will usually live over the winter outdoors, with light protection.

### Single Flowering

- 2196 **Salmon Queen.** Salmon Scarlet. Pkt. 10c.  
 2245 **VAUGHAN'S SPECIAL MIXTURE, SINGLE PINKS.** The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep crimson.  $\frac{1}{4}$  oz., 30c; pkt., 10c.

### Double Flowering

- 2255 **Salmon.** A beautiful shade.  
 2256 **Tom Thumb Brilliant.** Dwarf, bright red, splendid for rock work.  
 2272 **Brilliant Rose.**  
 2280 **Lucifer.** Double orange.  
 2283 **Violet Queen.** Pale violet.  
 2285 **Mourning Cloak.** Crimson, edged white.  
 2290 **Fireball.** Scarlet, compact, floriferous.  
 2293 **Snowball.** Compact, fringed white flowers.  
 2295 **Rosalind.** Double rose flowers.  
 2296 **Midnight.** Double blood-red.  
 Each of the above, pkt., 10c.  
 2300 **VAUGHAN'S SPECIAL MIXTURE OF DOUBLE PINKS.** Selection of the best double pinks in cultivation ranging in color through all the most brilliant shades.  $\frac{1}{4}$  oz., 30c; pkt., 10c.

2305 **VAUGHAN'S SPECIAL MIXTURE OF DOUBLE AND SINGLE PINKS.** This magnificent mixture contains the cream of the annual pinks both single and double.  $\frac{1}{4}$  oz., 30c; pkt., 10c.



2340 **DOLICHOS** Mixed. Pkt., 10c



2250 **DIANTHUS** Sweet Wivelsfield. Pkt., 15c

2250 **Sweet Wivelsfield.** It is the result of a cross of the Dianthus Allwoodii on the Dianthus Barbatus. The growth is not unlike the Sweet William but the flowers are larger and it has a much wider range of color. Besides retaining the brilliant coloring of the Heddegi strain, which was one of its ancestors, it has many of the dainty markings of the same. Some of the flowers have a honey perfume. Blooms the first year from seed. Pkt., 15c.



2305 **DIANTHUS** Vaughan's Special Double and Single Mixed. Pkt., 10c

## DRACOCEPHALUM

2355 **Moldavicum.** (Dragon's-Head). □ 18 in. A native of Siberia, has lace-shaped crenulate leaves, and fragrant bluish violet flowers borne in long nodding racemes from July to October. Succeeds in good ordinary soil when grown about a foot apart. Belongs to the Lavender order. Pkt., 10c.

**DIGITALIS** (Foxglove)—See Colored Perennial pages

**DELPHINIUM ANNUAL**—See Larkspur.

**DRACAENA**—See page 36.

## DOLICHOS (Hyacinth Bean) □ = 10 ft.

A rapid-growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods.

2330 **Princess Helen** (Daylight). Snow-white flowers, silvery seed pods. Pkt., 10c.

2335 **Purple Soudan** (Darkness). Rose-violet flowers, dark ruby-purple seed pods. Pkt., 10c.

2340 **Mixed**, all colors. 1 oz., 20c; pkt., 10c.

2345 **Lignosus** (Australian Pea Vine). A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c

**DUSTY MILLER**—See Centaurea and Cineraria

**ECHINOCYSTIS LOBATA**—See Wild Cucumber

## ANNUAL CLIMBERS MIXED

1795 A mixture we have made of many annual climbers suitable for outdoor culture. Pkt., 10c.



# New Golden African Daisies

## DIMORPHOTHECA □

This branch of the daisy order attracts by its interesting blends of color, which are of the class often termed art shades. They have the contrasting bands and centers characteristic of all South African daisies. May be sown out-of-doors where it is to flower or raised under glass in spring and planted out later, the latter method giving, perhaps, the most satisfactory results. They should be planted in the sunniest possible position. They bloom from July to October, and are excellent for mass planting.

2320 *Aurantiaca*. (Orange African Daisy.) 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt. 15c.



2325 DIMORPHOTHECA *Aurantiaca* Hybrida. Pkt., 10c.

## ECHIUM

2357 *Plantagineum*. (Bugloss.) □ 20 in. A charming annual with an upright stem which carries branches which terminate in the most delightful blue flowers. cup shaped which have a pink tint in early stages. Blooms in July, August. Succeeds in good ordinary soil in sunny border. Pkt., 10c.

## ERAGROSTIS

2359 *Elegans* (Love Grass). □ A flowering grass of erect growth about 18 inches high with feathery panicles. Suitable for cutting and for winter bouquets. Pkt., 10c.



2415 *ESCHOLTZIA* Vaughan's Special Mixture. Pkt., 10c

## ERYSIMUM

2361 *Perofskianum* (Fairy Wallflower). □ 12 to 18 inches. A particularly attractive annual for growing in masses in beds or in borders. Bears bright orange fragrant flowers in profusion during the summer. One of the showiest and easiest grown of all hardy annuals. Will thrive in fairly good soil. Pkt. 10c.

## ERYTHRINA

2360 *Crista Galli* (The Coral Tree). + 4 ft. A fine plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers. Featured in Garfield park, Chicago. Pkt., 15c.

## EUCALYPTUS

2425 *Globulus* (Blue Gum). + Admirable for subtropical bedding or greenhouse decoration. Pkt., 10c.

## EUTOCA

2439 *Viscida*. □ 1 ft. A lovely little plant with intense brilliant blue flowers, exceedingly effective in beds and borders, a good bee plant. Pkt., 10c.

2325 *Aurantiaca* Hybrida. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

2321 *Aurantiaca* Golden West. Bright golden yellow. Pkt., 25c.

2322 —*Salmon Beauty*. A soft salmon pink. Pkt., 25c.

2326 *Ecklonis*. White flowers, 3 in. across, with dark blue-spotted center, reverse of petals blue and mauve; in bloom from spring to autumn. Pkt. 15c.

2327 *Pluvialis* Ringens. A dwarf variety, but flowers more freely. The individual flowers are pure white on the inside with a conspicuous blue ring around the center or eye of the flowers. 12 inches. Pkt., 15c.



2435 *EUPHORBIA* (Snow on the Mountain). Pkt., 10c

## EUPHORBIA □ 2 ft.

Strong growing annuals, for beds of tall plants or mixed borders; the flowers are inconspicuous but the foliage exceedingly ornamental.

2430 *Heterophylla* (Mexican Fire Plant). Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. Pkt., 10c.

2435 *Variegata* (Snow on the Mountain or Mountain Spurge). 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. ¼ oz., 25c; pkt., 10c.

EXACUM see page 36.

## FELICIA □

2449 *Bergenia* (Kingfisher Daisy). Turf-like foliage, with daisy-like flowers, ¾ in. across, of an uncommon shade of blue. This annual is easily raised and comes quite true from seed. Pkt., 15c.

FRESIA—see page 36.

## GAILLARDIA (Blanket Flower)

□ 1½ ft.

One of the most profuse bloomers of the flower garden, the color of the Gaillardia may be termed "sunset" because the flowers run to reds and orange, rose-tinted at the base of the petals. The flower heads are terminal and on long stems. The foliage is a good gray-green and fairly abundant.

2465 *Amblyodon*. Deep red. Pkt. 10c.

2466 *Picta* Josephus. Large red, edged yellow. Pkt., 15c.

2467 —*Aurora Borealis*. Brown, red and yellow. Pkt., 10c.

2470 —*Single Mixed*. Pkt., 10c.

2471 —*Indian Chief*. Copper bronze. Pkt., 15c.

2474 *Lorenziana* Rubra. Beautiful double red flowers. Pkt., 15c.

2475 *Lorenziana* Double Perfection Mixed. ½ oz., 25c; pkt., 10c.

See also Perennial pages.

GESNERIA—see page 36.

## ESCHOLTZIA (California Poppy) □ 1 ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers are produced from early spring until frost. Sow the seed where the plants are to remain. The California Poppy makes an interesting plant for the foreground of the border, bringing a touch of gold and gray from the West.

Bush—See *Hunnemannia*.

2370 *Carmines* King. Beautiful carmine-rose color, both inside and outside the flower.

2376 *Chrome* Queen. Lovely soft buff yellow.

2380 *Dainty* Queen. Blush or pale coral pink, deeper towards the edges with a ground of cream.

2385 *Golden* West. Flowers bright yellow and orange, penciled and blotched.

2387 *Mandarin*. Inner side of the petals orange, the outer side brilliant scarlet.

2392 *Mikado*. Flowers lustrous orange-crimson.

2396 *Ramona*. A single flower with frilled edges which gives it an appearance of a semi-double. The color is a pale but glittering coppery gold with pink shadings. Pkt., 15c.

2395 *Robert* Gardiner. Double, orange. Pkt., 25c.

2397 *Rose* Cardinal. Dark rose, inside blush.

2398 *The* Geisha. Orange-red outside, golden within.

2405 *Vesuvius*. Wallflower red.

2410 *Double* and *Semi-Double* Mixed.

Each of the above, except where noted, pkt., 10c.

2415 *VAUGHAN'S SPECIAL MIXTURE*. This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. Oz., 75c; ¼ oz., 25c; pkt., 10c.

## Everlastings You Can Grow

Winter bouquets of your own growing make an attractive present for a friend, besides supplying during the long, cold winter, when flowers are scarce, a bit of brightness for your own home. Cut before fully expanded, bunch like sweet peas and hang on a line in a warm, dark, dry room. They will dry thoroughly in ten days.

### Annuals

150 *Acroclinium* Roseum. Double 2 ft. Pkt., 10c.

295 *Ammobium* Alatum Grand. Pkt., 10c.

2525 *Gomphrena*. Mixed, all colors. Pkt., 10c.

2810 *Helichrysum* (Strawflower). Vaughan's Special Mixture. Pkt., 15c.

2815 *Helipterum* Sandfordii. Pkt., 10c.

4540 *Rhodanthe*. Mixed colors. Pkt., 10c.

4683 *Salvia* Farinacea. Pkt., 10c.

4795 *Statice* Russian (Suworowii). Pkt., 15c.

—*Bonduellii*. Yellow. Pkt., 10c.

4802 —*Sinuata* True Blue. Pkt., 10c.

4801 —*Sinuata* Rosea Superba. Pkt., 10c.

5849 *Xeranthemum* Double Mixed. Pkt., 10c.

2440 *Everlasting* Mixed. 1 to 2 ft. Pkt., 10c.

### Perennials

7788 *Echinops* Ritro (Globe Thistle). Pkt., 10c.

7795 *Eryngium* Planum (Sea Holly). Pkt., 10c.

7860 *Gypsophila* Paniculata Fl. Pl. Pkt., 25c.

8150 *Lunaria* Biennis, or *Honesty*. Pkt., 10c.

8345 *Physalis* Franchetti. Pkt., 10c.

8520 *Statice* Latifolia (Sea Lavender). Pkt., 10c.

All the Ornamental Grasses.



2475 *GAILLARDIA* *Lorenziana*, Double Mixed. Pkt., 10c



# Thrifty, Yet Gay, Godetias



2590 **GODETIA Gladiolus Flowered Rose**. Pkt., 10c  
**FORGET-ME-NOT**—See *Myosotis*.  
**FOUR O'CLOCK**—See *Mirabilis*.  
**FOXGLOVE**—See *Digitalis*.

## GAMOLEPIS □

2478 **Tagetes**. 6 in. An annual of wiry growth, allied to the *Chrysanthemum*. Flowers daisy-like, bright yellow or orange,  $\frac{3}{4}$  in. across and freely produced. Of easiest culture from seeds in sunny places and excellent for borders or rock work where low mass effects are desired. This might be called a Miniature Marigold, *Signata Pumila*. Pkt., 15c.

## GAURA □

2480 **Lindheimeri**. 3 ft. A graceful plant with strong leafy stems, bearing from July until frost numerous spikes of white flowers flushed with pink. Especially sun-loving and drouth-resisting. A lovely combination is to plant *Gaura* in front of *Hollyhocks* with a few plants of *Salvia farinacea* mingled with the *Gaura*. Pkt., 10c.

## GAZANIA □

2484 **Longiscapa**. 6 to 8 in. Extremely free flowering. The flowers,  $2\frac{1}{4}$  in. in diameter, are golden yellow with a brown silver spotted zone surrounded by a blackish ring. Of easy culture. Pkt., 15c.

## GERANIUM ÷ 1 TO 2 FT.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

2485 **Zonale Varieties**. Saved from a choice collection. Pkt., 10c.

2490 **Large Flowering, Newest Varieties Mixed**. Pkt., 50 seeds, 15c.

2495 **Apple-scented**. Leaves fragrant. Pkt., 25 seeds, 15c.

2500 **Lady Washington (Odier)**. Large flowers, beautifully blotched. Pkt., 10 seeds, 50c.



2587 **GODETIA Mixed**. Pkt., 10c

## GODETIA □

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

2570 **Duchess of Albany**. 16 in. Pure white.

2573 **Gloriosa**. 10 in. Deep blood-red.

2576 **Rosamunde**. 8 in. Fiery rose.

2579 **Lady Satin Rose**. 10 in. Bright carmine.

2583 **The Bride**. 24 in. White and red.

2584 **Whitney**. 15 in. Double Azalea flowered pink blossoms. Excellent for pots.

2587 **Many Sorts and Colors Mixed**.

2598 **Dwarf Sorts Mixed**. 10 in. Neat globular.

Each of the above, pkt., 10c.

## Gladiolus Flowered. 24 in.

Quite distinct, with flower spikes much like a gladiolus but more graceful, with closely set double flowers in bright colors.

2588 **Carmine**. 2590 **Rose**.

2589 **Rosy Morn**. 2593 **Mauve**.

2591 **Mixed Colors**. Noted above.

Each of the above pkt., 10c.

**GREVILLEA**—See page 36



2532 **GILIA Capitata**. Pkt., 10c

## GILIA □

2532 **Capitata (Blue Thimble Flower)**. 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower as the blooms last well. May also be used as everlasting, as the flowers retain their color when dried.  $\frac{1}{4}$  oz., 25c; pkt., 10c.

2530 **Mixed**. 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.

2531 **Tricolor**. "Bird's Eyes." 1 ft. Flowers pale lilac, yellow toward the center, with five purple spots. Pkt., 15c.

## GLADIOLUS □

2540 **Many Varieties Mixed**. 3 ft. Can be grown to produce flowers first year if sown early and will make splendid bulbs for second year blooming. Pkt., 10c.

2545 **Primulinus Hybrids**. 30 in. Flowers of distinct form and possess the clearest tones and tints of color to be found. The spikes are tall and graceful. 100 seeds, 25c.

**GLORY OF THE SUN**—See page 36.

**GLOXINIA**—See page 36.

## GOMPHRENA

### (Globe Amaranth) □ 12 in.

A showy annual everlasting with clover-like heads.

2506 **Globosa Alba**. 2515 **Globosa Pink**.

2509 **—Flesh**. 2525 **—Mixed, all colors**.

2510 **—Rubra**. Red.

Each of the above, pkt., 10c.

2520 **Orange**. Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 15c.



2525 **GOMPHRENA Mixed**. Pkt., 10c

## GOURDS □ = 20 Ft.

The flowers are often beautiful and the fruit ornamental and sometimes useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs, bowls and bird-houses.

600 **Apple-shaped**. Beautifully striped.

2605 **Bottle**. The original Thermos bottle.

2608 **Calabash or Pipe Gourd**. Odd-shaped fruit which is used in making pipes.

2610 **Dipper**. Fruit makes an excellent dipper and may be used for wren's nests.

2615 **Dishcloth or Towel**. *Luffa Acutangula* known as *Sing-kwa*. The fruit is eaten when young, being cooked like squash. Many women prefer a dishcloth made of this Gourd as it is sweet and clean as long as it lasts.

2618 **Hercules Club**. Fruit grows 3 to 4 ft. long.

2625 **Japanese Nest Egg**. Practical nest eggs.

2627 **Orange**. The well known Mock Orange.

2630 **Ornamental Pomegranate or Queen's Sweet Pocket Melon**. Fruit deliciously perfumed and may be carried in the pocket or laid among linens. This is true stock.

2635 **Pear-Shaped**. Striped yellow and green.

2640 **Sugar Trough**. Thick shells, very durable.

2643 **Spoon**. Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.

2645 **Turk's Turban**. Odd brightly colored fruit. Each of the above pkt., 10c.

2650 **Small Fruited Varieties Mixed**. Pkt., 10c.

2660 **Mixed, all Varieties**. 1 oz., 30c;  $\frac{1}{2}$  oz., 20c; pkt., 10c.

Any 3 pkts. of the above, 25c.

Plant *Chrysanthemum Coronet* with *Centaurea Cyanus Double Blue*.



2660 **GOURDS Mixed**. Pkt., 10c



2680 *GYPSOPHILA* Angel's Breath. Pkt., 10c.**GYPSOPHILA** □ 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.

2680 *Elegans Grandiflora Alba* (Angel's Breath). This is an improved large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply. Oz., 30c; ½ oz., 20c; pkt., 10c.

2682 *Elegans Vivid Rose*. ¼ oz., 25c; pkt., 10c.

2683 *Elegans Crimson*. ¼ oz., 25c; pkt., 15c.

2685 *Elegans Rosea*. Soft pink. ¼ oz., 25c; pkt., 10c.

2690 *Muralis*. 6 in. A lovely little rock or edging plant with rose-pink flowers. Pkt., 10c.

**GRASSES**

2670 *Ornamental Mixed*. □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil. Pkt., 10c.

**Ornamental Grass Collection**

235 *Agrostis Nebulosa*. Pkt., 10c.

1150 *Briza Maxima*. Pkt., 10c.

1153 *Bromus Brizaeformis*. Pkt., 10c.

1850 *Coix Lachrymae*. Oz., 10c.

2030 *Cyperus Alternifolius*. Pkt., 10c.

2359 *Eragrostis Elegans*. Pkt., 10c.

2848 *Hordeum Jubatum*. Pkt., 15c.

2972 *Lagurus Ovatus*. Pkt., 15c.

3920 *Pennisetum Longistylum*. Pkt., 10c.

3925 *Pennisetum Ruppelianum*. Pkt., 10c.

5654 *Tricholaena Rosea*. Pkt., 10c.

6175 *Zea Japonica Quadriflor Perfecta*. Pkt., 10c.

**HELIPTERUM**

2815 *Sanfordii*. □ 1½ ft. Large heads of bright yellow everlasting flowers. Bloom in 8 to 10 weeks from seed and flower until frost. Pkt. 10c.

2820 *HELIOTROPE* Mammoth, Mixed. Pkt., 15c.

# Helichrysums for Winter Bouquets

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers for drying should be gathered when partially unfolded and suspended heads downward in a cool place.

2770 *Silver Ball*.

2785 *Rose Queen*.

2775 *Fire Ball*.

2790 *Salmon Queen*.

2780 *Golden Ball*.

2795 *Violet Queen*.

Each of the above pkt., 10c.

**HOLLYHOCKS**

(Annual) □ 5 ft.

The perennial varieties flower only the second year if grown from seed; the annual if sown in the open ground in May, will be in flower in August, but if started indoors and set out in May, they will bloom in July.

2840 *Everblooming Single Mixed*. Large single flowers, exhibiting every shade known in Hollyhocks. Pkt., 10c.

2845 *Everblooming Double Mixed*. Double and semi-double. Pkt., 10c.

(For other Hollyhocks see Perennial List printed in colors.)

**HELIOTROPE** ÷

2 ft.

Universal favorites on account of their delightful fragrance and duration of bloom, flowering equally well as bedding plants or as pot plants in the house. Seed sown in the Spring makes fine outdoor plants as easily grown as Verbenas.

2820 *Mammoth Mixed*. Large flowers ranging from dark blue to lilac. Pkt., 15c.

2825 *King of the Blacks*. Deep purple. Pkt., 15c.

2826 *Madam Bruant*. Dwarf variety with violet-blue flowers with white eyes. Very distinct, good for bedding. Pkt., 25c.

2827 *White Lady*. A large flowering pure white variety. Very fragrant. Pkt., 15c.

2830 *Fine Mixed*. Pkt., 10c.

**HERNIARIA**

2833 *Hirsuta*. 2 in. □ Valuable ground cover where grasses fail. Dense mat of moss-like foliage with inconspicuous greenish white flowers. Pkt., 15c.

**HELIOPHILA** □

2819 *Leptophylla*. An excellent annual both for growing in pots or borders. Grass-like foliage, bright blue flower deepening towards center with a clear white eye. Pkt., 25c.

**HORDEUM**

2848 *Jubatum*. (Squirrel's Tail Grass) □ 2 ft. Produces graceful spikes with feathery bristles resembling squirrel's tail. Grow in ordinary soil in clumps or rows in sunny borders. Pkt., 15c.

HONESTY—See Lunaria in Perennial pages.

HYACINTH BEAN—See Dolichos.

**HUMULUS JAPONICUS**

(Japanese Hop)

Rapid climber; foliage luxuriant, making a dense covering for verandas, trellises, etc. Heat, drought and insects do not trouble it.

2850 *Green Leaved*. Pkt., 10c.

2855 *Variegated Leaved*. Leaves beautifully variegated white, green and yellow. Pkt., 10c.

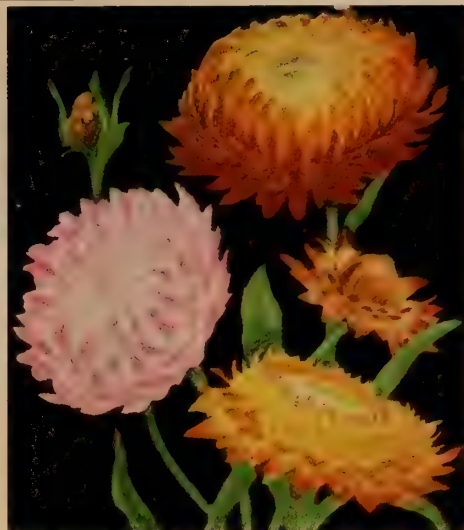
**HUNNEMANNIA**

2860 *Fumariaefolia* (Bush Escholtzia, or Santa Barbara Poppy) □ 1½ ft. Another golden yellow poppy, pleasing both in the border and as a cut flower. The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The clear yellow petals are broad and crinkled. ¼ oz., 25c; pkt., 10c.

**ICE PLANT**

2870 *Mesembryanthemum Crystallinum*. □ 6 in. Foliage glitters, being covered with ice-like globules and prized for garnishing; flowers, small, pinkish-white. A valuable plant for dry, sandy spots on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt., 10c.

2871 *Mesembryanthemum Tricolor*. 1 ft. Yellow, blood-colored inside, brown anthers. Pkt., 10c.

2810 *HELICHRYSUM* Vaughan's Special Mixture. Pkt., 15c.

2800 *Mixed*, all colors. Pkt., 10c.

2810 **VAUGHAN'S SPECIAL MIXTURE**. This mixture of Helichrysum in an improved large-flowered strain containing many new and exquisite shades. ¼ oz., 25c; pkt., 15c.

2812 *Dwarf Double Mixed*. 1½ ft. A splendid mixture of the dwarf growing varieties. Fine for bedding as it does not need staking. Pkt., 10c.

**HAWKWEED**—See Crepis

**HELIANTHUS**—See Sunflower.

**IMPATIENS**  
(Zanzibar Balsam)

÷ □ 1½ ft.

One of the prettiest plants for pot culture and also for outdoor planting in a half shaded situation. Remarkable for its long duration of bloom.

2875 *Holstii*. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 15c.

2880 *Holstii*. Hybrids. Range from pink through red shades to purplish violet. Pkt., 15c.

2874 *Liegnitzia*. 10 in. Dwarf, free flowering vermilion. Pkt., 25c.

2881 *Sultani*. Bright rose. Pkt., 15c.

2882 *Sultani Hybrids*. Colors range from pale pink to dark crimson. Pkt., 15c.

**IMPORTED COLLECTIONS**

2883 *Annals* (18 sorts) in one collection for \$1.00.

2884 *Everlasting Flowers* (12 varieties) in one collection for 60c.

2885 *Ornamental Gourds* (12 small flowering sorts) in one collection for 50c.

2886 *Ornamental Grasses* (12 varieties) in one collection for 50c.

**IONOPSIDIUM**

2890 *Acaule* (Violet Cress). □ 3 in. A miniature plant, rapid-growing and early flowering, forming dense tufts of foliage smothered in tiny, pale lilac flowers. Pkt., 10c.

**JOB'S TEARS**—See Coix Lachrymae.

**KAULFUSSIA**

2970 *Amelloides*. □ 6 to 12 in. Excellent annual of easy culture, aster-like blue flowers. Pkt., 10c.

**JERUSALEM CHERRY**—See Solanum.

**KISS-ME-OVER-THE-GARDEN-GATE**—See Polygonum orientale.

**LAGURUS**

2972 *Ovatus*. □ (Hare's Tail Grass) 8 to 12 in. The plant has somewhat broad leaves and a dense hairy inflorescence resembling a Hare's tail. Will grow in ordinary soil. Pkt., 15c.

2860 *HUNNEMANNIA* Santa Barbara Poppy. Pkt., 10c.



## Moonflowers and Morning Glories

IPOMOEA □ = 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

2895 **Bona Nox (Evening Glory)**. Violet flowers. Pkt., 10c.

2900 **Coccinea (Star Ipomoea)**. Small scarlet flowers in great profusion. Pkt., 10c.

2905 **Mexicana Grandiflora Alba (White Moon Flower)**. Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Oz., 50c; pkt., 10c.

2910 **Mexicana Grandiflora, Giant Pink**. Soft lilac-pink flowers. Pkt., 10c.



2925 **JAPANESE MORNING GLORY** Vaughan's Special Mixture. Pkt., 10c.

2925 **VAUGHAN'S SPECIAL MIXTURE. Japanese Morning Glories**. The colors run from snow-white through all tones of blue, red, and purple. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. ¼ lb., \$1.00; 1 oz., 30c; ½ oz., 20c; pkt., 10c.



2905 WHITE MOONFLOWER. Pkt., 10c.



2941 **IPOMOEA Early Flowering Heavenly Blue**. Pkt., 25c.

## Heavenly Blue Morning Glory

2941 **Heavenly Blue (Early Flowering Rubro Coerulea)**. One of the few flowers of true blue and probably finest of all morning glories. Flowers measure 3½ to 4 inches across, deep blue with white throat. They blossom profusely and for a long season, opening in the morning and facing the sun. While many have easy success sowing seed in the open ground, others prefer to sow two seeds in a 2-inch pot indoors in April and transplant to the open after the weather has settled in May, in gravelly, sandy soil, with southern exposure. Pkt., 25c.

2915 **Imperialis (Japanese Morning Glory), Fine Mixed**. The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. 1 lb., \$1.50; ¼ lb., 55c; 1 oz., 20c; ½ oz., 15c; pkt., 10c.

2950 **Setosa (Brazilian Morning Glory)**. The stems and leaf stalks are covered with reddish-brown hairs. The deeply lobed leaves are about 9 inches across; flowers about 2 inches in diameter, of delicate texture, tinted pink with a five-pointed star of satiny pink, and are followed by curious seed pods. Pkt., 10c.

**KUDZU VINE**—See Pueraria.

**LAVENDER LACE FLOWER**—See Didiscus.

## LAYIA

2995 **Elegans (Tidy Tips)**. □ 1 ft. California annual belonging to the Daisy order. A graceful species with hairy glaucous foliage, has fairly large yellow and white flowers. Succeed in rich light or sandy soil and in a sunny position. Should be grown in groups. Pkt., 10c.

## LEPTOSIPHON

3000 **French Hybrids**. □ 10 in. Free flowering hardy annuals, useful for edging and rockwork. Plants are thickly studded with charming bright flowers of various colors. Pkt., 10c.

## LAVATERA □ 2½ ft.

The Lavateras or Annual Mallows are showy and effective plants, covered during the entire summer with large gay flowers. For large borders and cutting they are very desirable.

2985 **Splendens Alba**. Silky, pure white. Pkt., 10c.

2990 **Splendens Rosea**. Bright rose. Pkt., 10c.

2991 **Splendens**. Mixed. Pkt., 10c.

2989 **Sutton's Loveliness**. Bronzy foliage, glowing rose pink flowers. Pkt., 15c.

## LIMNANTHES

3016 **Douglasi (Marsh Flower)**: □ 6 in. Showy California species bearing white and yellow fragrant flowers in profusion from June to August. Attractive when grown in masses in beds or as edgings to borders. Bees like its flowers. Does best in rich, moist soil in partially shaded positions. Pkt., 15c.

Lavatera Rosea Splendens makes a fine "hedge" plant for the flower garden.

## Fragrant Lantanas of Vivid Hue

### LANTANA

2975 **Hybrida, Mixed** + 2 ft. Plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.

2980 **Dwarf Hybrids**. Mixed. Pkt., 15c.

### LINUM □

3019 **Grandiflorum Coeruleum (Blue Flax)**. 1½ to 2 ft. Dainty flowers of pale blue. Pkt., 10c.

3020 **Grandiflorum Rubrum (Crimson Flax)**. 2 ft. Brilliantly colored summer annuals, glowing crimson-rose. May be had in bloom from May to October by successive sowings. ¼ oz., 25c; pkt., 10c.

### LOPHOSPERMUM

3072 **Scandens (Climbing Foxglove)**. = + 10 ft. An exceedingly handsome half-hardy climber with large pink flowers. Pkt., 25c.



2965 **KOCHIA Childsii (Burning Bush)**. Pkt., 10c.

## KOCHIA

2965 **Childsii**. □ 2½ ft. It resembles a close-clipped ornamental evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. ½ oz., 15c; pkt., 10c.



2975 **LANTANA Hybrida Mixed**. Pkt., 10c.



# Annual Larkspurs of Exquisite Coloring



2170 ANNUAL LARKSPUR Vaughan's Special Mixture. Pkt., 10c.

## LARKSPUR ☐

Larkspurs are one of the important families of annuals that have been greatly improved by modern breeding methods. Perfectly hardy, they flower quickly from seed sown early in the open, and if the faded blossoms are kept cut will give a long season of bloom. The new pinks are especially fine and with the dark blue varieties furnish a vivid color contrast.

### Double Stock-Flowered 3 to 4 ft.

- |                  |                       |
|------------------|-----------------------|
| 2120 Dark Blue.  | 2135 Lustrous Carmine |
| 2121 Dark Rose.  | (Newport Pink).       |
| 2127 Flesh Pink. | 2140 Sky-Blue.        |
| 2130 Lilac.      | 2145 White.           |

Each of the above,  $\frac{1}{8}$  oz., 25c; pkt., 10c.

2124 **Empress Rose.** A rich pink changing to hermosa pink. It is everblooming. Superbranching Larkspur grows 6 ft. tall. Pkt., 15c.

2129 **La France.** The flowers are a pleasing salmon-pink, very large and double, well-placed on long stems. Pkt., 15c.

2131 **Los Angeles.** A richer color than La France, a shade between salmon and rosy scarlet. Pkt., 15c.

2150 **Stock Flowered Mixed**, all colors. Oz., 60c;  $\frac{1}{4}$  oz., 20c; pkt., 10c.

2160 **Dwarf Rocket Mixed.** 2 ft. Pkt., 10c.

**Emperor** strain is a dwarf branching double stock flowered variety growing about 24 in. high.

2163 **The Empress.** Salmony pink. Pkt., 15c.

2164 **Pink Delight.** Same charming shade as the Larkspur Giant Imperial Exquisite Improved. Pkt., 15c.

2165 **Emperor Mixed.** Produces an abundance of long, slender spikes in the most delicate colors. Pkt., 10c.



3015 LEPTOSYNE Maritima. Pkt., 10c.

## LARKSPUR—Continued

**Improved Giant Hyacinth-Flowered.** The plants grow in one big spike, broad at the base and tapering to a point at the top, resembling the best of the English type of perennial Delphinium.

- |             |                         |
|-------------|-------------------------|
| 2171 Blue.  | 2174 Purple.            |
| 2172 Lilac. | 2175 White.             |
| 2173 Pink.  | 2176 Mixed, all colors. |

Each of above pkt., 10c.

2170 **VAUGHAN'S SPECIAL MIXTURE OF ANNUAL LARKSPURS.** A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. 1 oz., \$1.00;  $\frac{1}{4}$  oz., 30c; pkt., 10c.

See also Perennial pages and Novelties.

## LEPTOSYNE ☐

3010 **Stillmani.**  $1\frac{1}{2}$  ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden yellow cosmos-like flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.

3015 **Maritima.** (Sea Dahlia.) 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow with golden center. Fine for cutting. Treat as a half-hardy annual and give a sunny situation. Pkt., 10c.

## LINARIA ☐ 1 to $1\frac{1}{2}$ ft.

This is a hardy annual with small dainty flowers resembling miniature Antirrhinums and in addition each flower has a long Columbine-like spur. It makes a nice cut flower and the clumps form an interesting feature of the annual border. Blooms in about eight weeks from seed.

3030 Carmine shades.

3031 Golden Gem.

3032 Lavender shades.

3033 Snow White.

3034 **Maroccana Hybrida Excelsior, Mixed.** Colors range through crimson and gold, pink, mauve, dark blue and chamois and rose, with many lighter art shades. Each of the above, pkt., 10c.



3034 LINARIA Maroccana Excelsior, Mixed. Pkt., 10c.

## LUPINUS ☐ 2 ft.

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers, richly and variously colored. The fine, dark, glossy foliage of the Lupin makes an admirable foil and background for the long blooming spikes of blue, white, yellow and rose; valuable for mixed borders, beds and for cutting; prefers a little shade.

3075 **Hartwegii, White.** Pure white flowers.

3080 —Oxford Blue. Dark blue.

3085 —Cambridge Blue. Sky blue.

3090 —Roseus. Rose colored flowers.

3100 **Subcarneus (Texas Bluebonnet).** 15 in. Charming bushy plants. The flowers are of a delightful blue, with a distinct heart shaped blotch or eye of deep rosy flesh.

3095 **Annual Yellow.** Beautiful canary yellow. Each of the above,  $\frac{1}{4}$  oz., 30c; pkt., 10c.

3105 **Tall Annual Varieties, Mixed.** 1 oz., 30c; pkt., 10c.

3110 **Dwarf Annual Varieties, Mixed.** 1 ft. Pkt., 10c.

(See also Perennials.)

## MALOPE (Mallow-Wort) ☐ 2 ft.

Showy plants for large mixed flower and shrubby borders. The flowers are large and handsome.

3120 **Rosea.** Flowers large, blush, shaded pink toward center. Pkt., 10c.



3040 LOBELIA Bedding Queen. Pkt., 10c.

## LOBELIA ☐

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

3040 **Bedding Queen.** 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 10c.

3045 **Crystal Palace Compacta.** 4 in. Deepest blue, dark foliage. Pkt., 10c.

3050 **Emperor William.** 4 in. Clear sky-blue with green foliage. Pkt., 10c.

3055 **Pumila Rosea.** Dwarf pink. Pkt., 10c.

3056 **Pumila Alba.** Snowball, white. Pkt., 10c.

3067 **Tenuior.** 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.

3070 **Mixed colors.**  $\frac{1}{4}$  oz., 15c; pkt., 10c.

3052 **Gracilis.** 10 in. Light blue, light green foliage. Pkt., 10c.

3064 **Miranda.** 10 in. Bright rosy purple, clear white eye. Pkt., 10c.

## Trailing Varieties

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3051 **Prima Donna.** 10 in. Rich velvety crimson. Pkt., 15c.

3060 **Speciosa.** 10 in. True dark blue, dark foliage. Pkt., 10c.

3059 **Speciosa Superba Royal Purple.** 10 in. Dark foliage and stems, flowers deep navy blue with white eye. Pkt., 10c.

3061 **Hamburgia.** Sky-blue with white eye. Pkt., 10c.

3065 **Sapphire.** Large, deep blue flowers, with a pure white eye which occupies one-third of the corolla. Pkt., 15c.



3105 LUPINUS Tall Annual Mixed. Pkt., 10c.





3150 MARIGOLD Vaughan's Special Tall Mixed. Pkt., 10c.



3175 MARIGOLD Vaughan's Special Dwarf Mixed. Pkt., 10c.



3190 MARIGOLD Legion of Honor. Pkt., 10c.

# Marigolds Play Many Garden Roles

## MARIGOLD (Tagetes) □

From midsummer to fall when many other plants are past their prime, Marigolds afford a wealth of color that is invaluable. The tall African varieties produce large self-colored blossoms on long stems; the French flowers are smaller, but the colors and markings are interesting, some of the varieties being striped and spotted. The Marigold dwarf *Signata Pumila* is one of the best edging plants; also *Gamolepis Tagetes*.

### Dwarf French Double Sorts 10 in.

- 3164 Dark Brown.  
3167 Gold Ball.  
3165 Gold Striped. Velvety maroon, striped gold.  
3168 Lemon.  
3166 Robert Beist. A new color, a warm shade of shining purple scarlet.  
3169 Yellow spotted Brown.  
3170 Yellow with Brown Margin.  
Each of the above, packet, 10c.  
3175 VAUGHAN'S SPECIAL MIXTURE OF DWARF MARIGOLDS, DOUBLE AND SINGLE VARIETIES. These dwarf, compact strains are very attractive, each plant being covered with hundreds of small, bright flowers.  $\frac{3}{4}$  oz., 20c; pkt., 10c.

GUINEA GOLD—See first flower seed Novelty Page.

## MARTYNIA □

- 3211 *Fragrans*. 2 ft. Sweet-scented half-hardy annual with woolly foliage and large mauve flowers. Pkt., 10c.

## MARVEL OF PERU (Four o'Clocks) 2 ft.

This old-fashioned flower of bushy habit bears profusely flowers of white, yellow, crimson and violet. As a hedge plant, its glossy foliage is closely set and dotted all over in the afternoon with a multitude of flowers. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. It will result in larger plants, stronger, with more flowers.

- 3305 Red. 3307 Lilac.  
3306 Rose. 3308 Yellow.  
Each of the above, oz., 30c; pkt., 10c.  
3290 Mixed, all sorts and colors.  $\frac{1}{4}$  lb., 50c; 1 oz., 15c; pkt., 10c.  
3297 Dwarf Mixed. 1 ft. Pkt., 10c.  
3310 Sweet-Scented (*Longiflora Alba*). 28 in. White. Pkt., 10c.

## MATRICARIA □

- 3205 *Capensis* Fl. Pl. (Feverfew). 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt., 10c.  
3208 *Eximia*, Golden Ball. 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.  
3209 *Eximia* Snowball. 10 in. Profuse blooming bedding plant, double white flowers. Pkt., 10c

## Double Tall Varieties 30 in.

- 3125 *Eldorado*. Extremely large imbricated double flowers in yellow shades. Pkt., 10c.  
3130 *Lemon Queen*. These are lemon color, but the formation of the flower is exactly like the *Orange Queen*.  $\frac{3}{8}$  oz., 25c; pkt., 10c.  
3135 *Orange Queen*. Large, perfect, double quilled flowers of a rich, deep, golden orange. Very attractive.  $\frac{1}{2}$  oz., 25c; pkt., 10c.  
3136 Vaughan's Special Mixture of Tall French varieties. Pkt., 10c.  
3144 French Double Dark Brown. Pkt., 10c.  
3145 French Double Golden Yellow. Pkt., 10c.  
3146 French Double Lemon Yellow. Pkt., 10c.  
3147 French Double Striped. Pkt., 10c.  
3150 VAUGHAN'S SPECIAL MIXTURE TALL MARIGOLDS. This mixture includes both the African and French sorts. A packet will give you flowers of enormous size in a wonderful assortment of color, in shades of yellow, cream, orange, rusty brown, old gold, etc.  $\frac{1}{4}$  oz., 20c; pkt., 10c.  
3155 Tall French Striped. Flowers have a yellow ground, with rich brown markings. Pkt., 15c.  
3157 Tall French Josephine. Single dark brown with an edging of old gold, and a glint of crimson, with petals of rich velvety texture, borne on long stems. Pkt., 10c.

## Double Dwarf African

- 3160 Mixed (*Pride of the Garden*). 15 in. Immense golden yellow flowers, compact dwarf habit forming dense bushes. Pkt., 10c.

## Lilliput Dwarf Double 8 in.

Bushy plants covered with small flowers excellent for edging.

- 3161 Brown. 3163 Sulphur.  
3162 Golden. 3163A Mixed.  
Each of the above. Pkt., 10c.

## Single Dwarf Varieties

- 3180 Gilt Edge. 8 in. Velvety maroon, edged with yellow. Pkt., 10c.  
3185 Golden Star. Flowers have golden yellow petals with purple-red streaks radiating from the center. Pkt., 10c.  
3190 Legion of Honor. 8 in. Flowers rich golden yellow, marked with velvety brown. Best for edging. Pkt., 10c.  
3200 Mexican Marigold (*Signata Pumila*). 10 in. A miniature type forming compact plants completely covered with bright yellow flowers with brown stripe down the center of each petal. Very striking for edgings. Pkt., 10c.  
See also *Gamolepis*.

MORNING GLORY—See *Convolvulus* and *Ipomoea*.

MOURNING BRIDE—See *Scabiosa*.

MUSK PLANT—See *Mimulus*.



3290 MARVEL OF PERU (Four o'Clocks) Mixed. Pkt., 10c.

## MATTHIOLA

- 3212 *Bicornis* (*Evening-scented Stock*). □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. 1 oz., 30c; pkt., 10c.

## MAURANDIA

- 3215 Mixed. □ = 10 ft. Slender grower and abundant bloomer, desirable for greenhouse and garden. Gloxinia-like flowers, ranging through white, rose, blue and purple in color. Pkt., 10c.  
3214 *Barclayana*. Blue. Pkt., 15c.

## MELOTHRIA

- 3220 *Scabra* (*Musk Vine*). □ = 10 ft. Bears clusters of small, white, and star-shaped flowers with a strong musk fragrance; leaves green, small and glossy. May be cut down to 6 inches after summer's growth, potted and taken inside. Fruit resembles tiny watermelons. Pkt., 10c.

## MIMULUS □

- 3275 *Moschatus* (*Musk Plant*). 10 in. Trailing plant for damp, shady places. Small yellow flowers. Fine for the rock garden. Pkt., 25c.  
3280 *Tigrinus* (*Monkey Flower*) *Queen's Prize*, *Single Mixed*. 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers, ranging through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Does best in partial shade. Pkt., 10c.

## MIMOSA

- 3270 *Pudica* (*Sensitive Plant*). □ 1 ft. Curious and interesting, pinkish white flowers; the leaves close and droop when touched or shaken. Pkt., 10c.



# New Nasturtium Golden Gleam

Always one of the most widely planted annual flowers in American gardens, the nasturtium is gaining new importance from the improvements made by plant breeding. Its great merit is free and continuous flowering in ordinary soil, and the most effective use of the dwarf type is found in mass planting for planned color harmony, and in the case of the tall class, in porch and window boxes. It is a tender plant; sow after ground is warm.

## Tall Sorts

- 3585 **Dunnett's Orange.** Bright orange.  
 3640 **Emperor of India.** Very dark foliage. Rich, deep scarlet flowers. The best red.  
 3740 **Ivy-Leaved.** Mixed colors. All with fine fimbriated petals. Color intense, foliage like Ivy, and vines exceedingly graceful.  
 3665 **Variegated-Leaved Varieties.** Many colors mixed. Very showy flowers. Leaves light green, beautifully marbled and blotched with white. Each of above, pkt., 10c; oz., 20c.

## Dwarf Sorts 1 ft.

- 3480 **Empress of India.** Very dark leaves, crimson flowers.  
 3540 **Golden Cloth.** The foliage is of bright yellow, while the flowers are intense scarlet.  
 3485 **Golden King.** Pure golden yellow.  
 3490 **King of Tom Thumbs.** Intense deep scarlet, dark foliage.  
 3495 **King Theodore.** Deep red flower, dark foliage  
 3500 **Lacinium Mixed.** The flowers are deeply laciniated and appear in many attractive colors.  
 3520 **Ruby King.** Ruby-red, dark-leaved.  
 3550 **Spencer, Mixed.** Curly foliage and flowers in many bright colors.  
 3555 **Variegated-Leaved Mixed.**  
 3530 **Vesuvius.** Salmon dark-leaved.  
 Price, any of above dwarf sorts, pkt., 10c; oz., 20c.



3735 NASTURTIIUM Golden Gleam. Pkt., 15c.

## 3735 Nasturtium Golden Gleam

This plant forms a vigorous, large bush, which throws out runners, averaging eighteen inches. Flowering begins as soon as the plant nears complete development, and at the time it is in full bloom the entire plant, including runners, is a blaze of color. The large, golden-yellow semi-double flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length. Consequently the flowers stand well above the foliage, an arrangement which adds immeasurably to the showy appearance of the plant.

When well grown these flowers have the appearance of a double flower, and are most attractive. An ordinary sized bouquet, when allowed to remain in a room for a short period of time will fill the room with musk-like fragrance. Introduced by us last year, this variety proved the most popular novelty of the day, being widely grown both in greenhouses and in gardens and everywhere proving its outstanding merit. Heretofore Double Nasturtiums have been only propagated by cuttings. In the Fall, before frost, the plants can be cut back and potted for use in the conservatory. In fact, Golden Gleam should prove as useful in the conservatory as in the garden. Pkt. (15 seeds), 15c; 100 seeds, 75c.



3245 MIGNONETTE Giant Machet. Pkt., 10c.

## MIGNONETTE (Reseda) □

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting and combining in bouquets with other more pretentious blossoms lacking its delicate odor.

- 3224 **The Ball.** Flowers are closely set on long spikes. It is lighter and a more attractive color and two to three weeks earlier than other varieties. Pkt., 25c.  
 3225 **Bismarck.** 1 ft. The red flowers are larger in every way than those of other sorts, the spikes dense, foliage crinkly, while its powerful fragrance is delicious. Pkt., 10c.  
 3230 **Golden Queen.** 16 in. Yellow. Pkt., 10c.  
 3235 **Goliath.** 12 in. Foliage rich green, with bright red flowers, spikes often 7 inches long by 2 inches in diameter. Pkt., 10c.  
 3236 **Giant Rocket.** 2 ft. The largest and most robust variety. The flowers are wonderfully fragrant and many plants carry 50 to 60 spikes of bloom, each 14 to 18 inches long. Pkt., 15c.  
 3245 **Machet.** 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. ¼ oz., 25c; pkt., 10c.  
 3250 **Pyramidal Large-Flowering.** 20 in. Tall-growing variety. Pkt., 10c.  
 3241 **Grandiflora.** The old-fashioned variety. ½ oz., 15c; oz., 25c.  
 3260 **Mixed.** Many shades and types. Pkt., 10c. ½ oz. 25c. See also Annual Novelties.

## MUSA

- 3315 **Ensete (Banana Plant)** + 6 ft. A splendid foliage plant for the open air in summer, producing a most striking effect when planted singly or in groups. Pour boiling water over the seeds; take them out of this water after 24 hours and sow at once in sand. Give some bottom heat and cover with sand about ¼ to ½ inch. The seed germinates irregularly in two to four weeks. 10 seeds, 20c.



3340 MYOSOTIS Victoria Azure Blue. Pkt., 10c

## 3570 Vaughan's Special Mixture of Dwarf Nasturtiums

This mixture is put up by ourselves from named sorts, and contains a large share of the Lilliput and the dwarf Chameleon, which have the richest and most varied combination of colors. 1 lb., \$1.50; ¼ lb., 45c; 1 oz., 15c; pkt., 10c.

### Combination Offer P55

1 pkt. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 15c.

## 3745 Vaughan's Special Mixture of Tall Nasturtiums

In this will be found all the choicest colors of all the Tall Nasturtiums, the rich, velvety Lobbs varieties, Canary Bird Creeper and the new variegated-leaved varieties. 1 lb., \$1.50; ¼ lb., 40c; 1 oz., 15c; pkt., 10c.

### Combination Offer O55

1 oz. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 25c.

## MINA LOBATA □

- 3265 An attractive and free-flowering half-hardy climbing annual; at first the buds are a vivid red, changing to orange-yellow; flowers when fully expanded creamy white. Pkt., 10c.

## MYOSOTIS (Forget-Me-Not) □ 12 in.

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Respond to good treatment and flourish in shady, moist situations. The national flower of Belgium.

- 3320 **Alpestris Blue.** Trailing habit. Pkt., 10c.  
 3325 —Alba. White. Pkt., 10c.  
 3328 —Indigo (Sutton's Royal Blue). Pkt., 10c.  
 3330 —Rosea. Pink. Pkt., 10c.  
 3345 —Mixed. ½ oz., 25c; pkt., 10c.  
 3331 —Messidor. Large indigo blue flowers on long stems which makes it a good cut-flower variety. Pkt., 25c.

The Bouquet type is a compact upright grower of the pillar or column type, blooms so freely the plants are completely smothered with flowers. 1 ft.

- 3350 **Blue Bouquet.** Royal blue color.  
 3351 **Indigo Blue Bouquet.** Dark blue flowers.  
 3352 **Pink Bouquet.** Charming pink shade.  
 Each of the above, pkt., 25c; or 3 pkts. for 65c.

Victoria 8 in. Dwarf globular plants, completely covered with bloom, best variety for borders and pots.

- 3340 **Victoria Azure Blue,** with yellow center.  
 3341 —Indigo Blue.  
 3342 —Rose.  
 3343 —White.

Each of the above 4 varieties ½ oz., 50c; pkt., 10c. For other Myosotis, see Perennial and Novelty pages.

## NIGELLA □ 1½ ft.

- 3415 **Mixed (Love-in-the-Mist).** A compact, free-flowering plant with finely cut foliage, curious-looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed. Pkt., 10c

- 3420 **Miss Jekyll.** A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender cornflower-blue, nestling in fine feathery foliage. ½ oz., 25c; pkt., 10c.



3420 NIGELLA Miss Jekyll. Pkt., 10c; ½ Oz., 25c



# Fragrant Tobacco Flowers



3392 NICOTIANA Affinis Hybrids. Pkt., 10c

Seeds for greenhouse culture will be found on page 36.



3361 NEMESIA Aurora. Pkt., 25c

Have you tried Fall planting of annual flower seeds? It is very interesting and one secures earlier flowers



3360 NEMESIA Large Flowered Mixed. Pkt., 25c

## NICOTIANA (Sweet-Scented Tobacco Plant) □ 2 ft.

One of the easiest annuals to raise and one of the most fragrant. The blossoms are not unlike a Petunia blossom, but with a longer tube. They open toward evening and emit a powerful perfume.

- 3390 **Affinis Tuberose-flowered Tobacco.** Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. They commence to bloom a few weeks from sowing. The plants are of branching, bushy habit, carry their flowers in clusters.  $\frac{3}{8}$  oz., 25c; pkt., 10c.
- 3392 **Affinis Hybrids.** Splendid hybrids in blue, red and rose, etc., shades. Pkt., 10c.
- 3395 **Sanderæ.** A hybrid, branching habit, bearing on light, graceful stems, quantities of rosy carmine flowers. Pkt., 10c.
- 3396 **Sanderæ Crimson King.** Dark velvety crimson-red flowers. Pkt., 10c.
- 3397 **Sanderæ Hybrids.** All shades. Pkt., 10c.
- 3405 **Sylvestris.** 4 ft. A plant of pyramidal habit, with long, tubular, pure white flowers, borne in dense panicles. Pkt., 10c.

## NEMESIA □

This is one of the dwarf annuals which make pleasing masses of low growth for foreground beds, and edging. The orchid-like flowers, which are often three quarters of an inch across, are varied in color, ranging from rose, yellow orange and blue.

- 3360 **Large Flowered Mixed.** 1 ft. Is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt., 25c.
- 3368 **Large Flowered, Scarlet.** Pkt., 20c.
- 3372 **Large Flowered, Orange.** Pkt., 20c.
- 3373 **Large Flowered, Rose.** Pkt., 20c.
- 3361 **Large-Flowering Dwarf, Aurora.** 8 inches. Upper petals are dazzling turkey-red and the lower ones milk-white. Pkt., 25c.
- 3365 **Blue Gem, Dwarf.** 7 inches. One of the best blue annuals for bedding. Pkt., 15c.
- 3362 **Fire King, Dwarf.** Bright red. Pkt., 25c.
- 3363 **Orange King, Dwarf.** Brilliant orange. Pkt., 25c.

## NEMOPHILA (Baby Eyes) □ 6 in.

Hardest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out-of-doors in spring, in patches, where they are to flower.

- 3376 **Insignis Blue.** A popular plant for pots or borders. Pkt., 10c.
- 3380 **Mixed, all colors.** Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt., 10c.

## NICANDRA □

- 3389 **Physaloides.** Apple of Peru or Shoo-fly Plant. A strong spreading annual, 3-4 ft. high, grown for showy blue flowers and odd fruits. An old-fashioned flower now rarely seen. Pkt., 10c.

## NIEREMBERGIA

- 3410 **Gracilis** □ 6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc. Pkt., 10c.

## NOLANA

- 3385 **Mixed** □ 6 in. (Chilian Bell Flower). Dwarf plant for sunny rockeries or borders, needs good light soil. Flowers bell shaped in various colors. Belongs to Convolvulus family. Pkt., 10c.

## NYCTERINIA

- 3430 **Capensis** □ 9 in. Charming little plants for pots, edgings and rockwork, flowers opening at night. White with maroon, fragrant. Pkt., 10c.

ORNAMENTAL GRASSES—See page 51.

POINCIANA—See page 36.

PRIMULA—See pages 36.

## OXALIS □

- 3444 **Cloth of Gold.** 1 ft. A charming specie with deep golden-yellow flowers produced with such freedom in the latter part of the season as to completely hide the bright green foliage. Pkt., 25c.
- 3445 **Rosea.** An excellent little plant for edging or rock garden. Blooms all summer in profusion; flowers dark rose and delicate pink. Pkt., 25c.
- 3450 **Tropaeoloides.** 3 in. Yellow flowers, rich brown foliage. For rock gardens. Pkt., 10c.

## PANSY

- 3893 **Giant Swiss Yellow.** Rich yellow with blotches on three lower petals. See illustration. Pkt. (250 seeds), 35c.



3926 PENTSTEMON Sensation. Pkt., 25c

## PENTSTEMON (Beard Tongue) □ 2 ft.

- 3926 **Sensation.** Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. Pkt., 25c.
- 3927 **Sensation Red Shades.** Produces large handsome stalks of gloxinia-like flowers often 2 in. across and in dazzling red shades. Pkt., 25c.
- 3928 **Sensation Pink Shades.** Charming selection of various shades of pink. Pkt., 25c.
- 3929 **Sensation Violet Shades.** Pkt., 25c.

See Perennial pages for other varieties.

## OENOTHERA (Evening Primrose) □ $\frac{1}{2}$ to 2 ft.

Showy and beautiful plants for borders, beds, etc. Flowering from June to Sept. Plant in fairly dry soil containing plenty of lime.

- 3442 **Afterglow.** A very attractive new variety; yellow flowers with bright red calyx. Pkt., 20c.
- 3439 **Lamarckiana.** Large flowered yellow. A biennial which blooms first year from seed. Pkt., 10c.
- 3435 **Mixed.** Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; delightful perfume. Pkt., 10c.

For other varieties—see Perennial pages.

## PASSIFLORA

- 3910 **Coerulea Grandiflora (Passion Flower).** ÷ = 15 ft **Southern Beauty.** A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit. Pkt., 10c.



3893 PANSY Giant Swiss, Yellow. Pkt., 35c





VAUGHAN'S IMPROVED SWISS GIANTS

**PANSIES**, garden favorites since Shakespeare's time, have been marvelously improved. One may select from the strains listed below for whatever quality he may prefer—for size, color, or free blooming—in some cases finding all three combined. In the Swiss Giants and Maple Leaf Giants, a size has been attained which not long ago would have been

## Pansies

incredible, and both bear freely late into the summer. To have a bed of pansies one must start the seed in the house in early spring and transplant when danger of frost is over, or else plant in fall in cold frame and winter over. Seeds may also be sown in spring out-of-doors for late summer and fall flowering. They like a cold, moist situation, and endure light shade in summer.

### 3890 Vaughan's Improved Swiss Giant Pansies.

Several years ago we discovered and introduced this variety which created a sensation at once. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. Pkt., 50c;  $\frac{1}{8}$  oz., 90c;  $\frac{1}{4}$  oz., \$2.75; 1 oz. \$10.00.

3892 **Swiss Alpenglow.** Rich cardinal and garnet shades. Vivid and attractive. Pkt., 250 seeds, 35c.

3891 **Swiss Blue. (Ullswater) (Thuner Sea).** A solid blue flower with a blue black center. (Pkt. 250 seeds), 35c.

3893 **Swiss Yellow.** Rich yellow with blotches on the three lower petals. See illustration. Pkt., 250 seeds, 35c.

3750 **Adonis.** Light blue with white margin.  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3756 **Azure Blue.** Sky-blue.  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3859 **Beaconsfield.** Upper petals almost white, lower ones a deep rich purple.  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3760 **Boulogne Giant Mixture.** The flowers are large, of great substance, fine form and are borne on particularly strong stems. They are mostly 3- and 5-blotched, delicately veined, rich color.  $\frac{1}{8}$  oz., \$2.00; 125 seeds, 50c.

3765 **Bugnot.** Very beautiful class. Large flowers with broad blotches, many having the two upper petals finely lined; handsomest and rarest colors, mostly dark shades.  $\frac{1}{8}$  oz., 50c; pkt., 20c.

3766 **Cardinal.** Brilliant red. Pkt., 10c.

3771 **Coal Black.** A jet black.  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3779 **Emperor William.** Dark navy blue. Pkt., 10c.

3780 **Eros.** Purple, yellow border. Pkt., 10c.

3785 **Mad. Perret.** Lovely shades of pink. Pkt., 10c.

3793 **Masterpiece (Frisled Pansy).** A remarkable type, each petal being conspicuously curled or waved. Color range extensive rich dark, velvety shades predominating.  $\frac{1}{8}$  oz., 50c; pkt., 25c.

3825 **Mrs. Pierre S. du Pont.** Rich, pure golden apricot, blushed with salmon. Giant size, long stems, petals of fine substance and perfectly placed. Pkt. (150 seeds), 50c.

3808 **Orchid Flowered Mixed.** Rare light shades, large frilled flowers, very attractive. Pkt., 10c.

3814 **Pink.** Fine shades of pink. Pkt., 10c.

3819 **Purple.** Rich deep purple.  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3822 **Prince Henry.** Darkest blue. Pkt., 10c.

3830 **Ruby Red.**  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3832 **St. Knud.** Orange. Pkt., 25c.

3849 **Volcano.** Deep red with five large blotches very fine.  $\frac{1}{8}$  oz., 50c; pkt., 20c.

3851 **Pure White.**  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3857 **Pure Yellow.**  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3876 **Vaughan's Perfection Mixed.** Large, well shaped of beautiful coloring, uniform quality, free blooming and the delight of many north shore gardeners. 125 seeds 50c;  $\frac{1}{8}$  oz., \$4.00.

3874 **Trimardeau Mixture.** It has a complete color range, but lacks the new varieties which can only be had in our Vaughan's Giant and International Mixtures.  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3842 **Mammoth Exhibition.** A sturdy grower and has a short habit and large leaves; in consequence the plant remains in good condition all summer. The flowers are round, solid, of gigantic size, and the most bewitching color range and variation. Pkt. (200 seeds), 50c.

3861 **Early Flowering Giant Mixed.** This strain will bloom about three weeks earlier than any other. It has not a complete color range, but is valued because of its early blooming.  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3870 **Chicago Parks Bedding Mixed.** Great diversity of colors, free-flowering, blossoms slightly smaller than the Giant sorts.  $\frac{1}{8}$  oz., 50c;  $\frac{1}{4}$  oz., 25c; pkt., 10c.



3891 PANSY Giant Swiss Blue. Pkt., 35c

3880 **VAUGHAN'S INTERNATIONAL MIXTURE.** A mixture of special strains such as Bugnot, Masterpiece, Swiss Giants, Triumph of the Giants and Mammoth Exhibition. Flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. 3 pkts. (600 seeds), for 65c; 5 pkts. (1000 seeds), for \$1.00;  $\frac{1}{8}$  oz., \$1.50; pkt. (200 seeds), for 25c.

3875 **VAUGHAN'S GIANT MIXTURE.** Besides a good share of the "Fancy" strains such as Masterpiece, Bugnot, Cassier, etc., this mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high-grade mixture obtainable. All the flowers are of the "Giant" type and of good shape and texture.  $\frac{1}{8}$  oz., \$1.00; 1 pkt. (250 seeds), 25c; 1 pkt. (125 seeds), 15c.





4051 Dwarf Pink Glory. Pkt., 35c

4072 Romany Lass. Pkt., 50c

4054 Triumph Pink. Pkt., 35c

## Petunias of Improved Types

### Large Single Flowering Varieties

The flowers of this type average 3 to 4 inches across.

4045 **Brilliant Rose Fringed.** Pkt., 150 seeds, 25c.  
4061 **Fimbriata Coerulea.** Fringed delicate blue, veined with dark blue. Pkt., 50c.

4068 **Fimbriata Miranda.** Deep carmine, scarlet throat, boldly waved and fringed, the best brilliant red petunia. Pkt., 50c.

4051 **Dwarf Pink Glory.** The color is pure flame-rose pink. The flowers are slightly ruffled. Pkt., 35c.

4072 **Romany Lass.** The color is a clear bright velvety blood-red with purple throat, striped in black. Pkt., 50c.

4055 **Royal Purple.** Rich velvety color. Pkt. 150 seeds, 20c.

4052 **Silver Edge Purple Robe.** A superb deep velvety violet—enhanced by a fine silver line usually appearing at the edge of the flower. Pkt., 50c.

4054 **Triumph Pink.** Large flowers, beautifully ruffled, of a clear, bright pink. Pkt., 35c.

4046 **Venosa.** Blue veins on light blue. Pkt., 50c.

4060 **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, in remarkable variety of color. Pkt., 350 seeds, 25c.

### Single Giant Flowering Varieties

The flowers of this strain average 5 to 7 inches across.

4065 **Giants of California Mixed.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc., Pkt., 350 seeds, 25c.

4070 **Giant Empress.** Lilac blue with purple veins. Pkt., 150 seeds, 25c.

4071 **Copper-Rose.** Enormous flowers with a dark throat, deeply veined, 150 seeds, 25c.

4075 **Giant White.** Yellow throat. 150 seeds, 25c.

4081 **King Alphonso.** Very dark crimson, black throated, boldly waved and fringed petals. Pkt., 150 seeds, 25c.

4064 **Giant Lavender Blue.** A most delightful and distinct color hitherto missing in this type. Pkt., 50c.

4085 **Giant Rose.** Ruffled veined, black. Pkt., 150 seeds, 25c.

4062 **Theodosia.** Fringed rosy pink with a clearly defined golden center with minute stripes. Pkt., 50c.

4090 **Giant Black Prince.** Darkest. Pkt., 150 seeds, 25c.

4095 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors. Pkt., 250 seeds, 35c.

4069 **Ruffled Giants.** The charm of these is difficult to describe. There are so many bewitching shades of color in the gigantic ruffled flowers it is a continual joy to see the flowers unfold and develop. Pkt., 50c.

4100 **VAUGHAN'S BEST MIXTURE LARGE FLOWERING SINGLE PETUNIAS.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. Pkt., 300 seeds, 25c.

### Portland Petunias

4056 **Pride of Portland.** Deep rose fringed.

4057 **Scarlet Beauty.** Scarlet fringed.

4058 **Elk's Pride.** Plain, edged black-purple.

4059 **White Beauty.** Fringed, pure white.

Each of the above, pkt., 25c



4100 Vaughan's Best Large Flowering Single. Pkt., 25c

Petunias are delightful in a sunny spot. Developing into bushy plants completely covered with charming flowers in a most complete color range and nearly all with a delicate fragrance. Plant in rows and masses in the garden for brilliant effect and dot your gravel paths and stepping stones with a plant at intervals.



Blue Bird and Heavenly Blue

### Double Large Flowering Varieties

3935 **VAUGHAN'S MIXTURE OF DOUBLE PETUNIAS.** This is a mixture of the best large flowering and fringed double petunias. Of course, only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. Pkt., 200 seeds, 50c.

3940 **Lady of the Lake.** Double white fringed.

3943 **Double Heliotrope.** 3952 **Double Mixed.**

3949 **Double Rose.** Fringed. 3946 **Double Red.**

Each of the above, pkt., 125 seeds, 25c.

3955 **Double Small Flowered Mixed.** The flowers of this strain are smaller than those of the above types, but they are produced in greater profusion. Pkt., 300 seeds, 25c.

3953 **Double Rosy Morn.** Medium-sized flower semi-double with heavy petals folding back from center of a lovely rose color. It resembles a Gardenia in shape. Pkt., (120 seeds), 50c.

### Single Small Flowering Varieties

3958 **Alba.** Pure white.

3963 **Adonis.** Carmine rose.

3965 **Countess of Ellesmere.** Rose with white throat.

3970 **General Dodds.** Blood-red.

3975 **Howard's Star Improved.** Crimson-maroon with a clearly defined star of blushing white.

3981 **Lord Courtenay.** Brilliant rose, yellow throat.

3988 **Venosa.** Light red veined.

Each of the above, pkt., 10c.

3995 **Finest Mixed.**  $\frac{1}{8}$  oz., 25c; pkt., 10c.

### Single Dwarf Small Flowering Varieties

3998 **Blue Bird.** Color deep velvety violet-blue.  $\frac{1}{8}$  oz., \$1.00; pkt., 25c.

4000 **Carmen Sylva.** Baby blue with white throat. Pkt., 10c.

4002 **Crimson.** Pkt., 10c.

4001 **Heavenly Blue.** A silvery light blue. Varies in shade. Pkt., 35c.

4005 **Improved Rosy Morn.** Clear pink with a broad white throat. Oz., \$3.00;  $\frac{1}{8}$  oz., 50c; pkt., 15c.

4010 **Norma.** Blue with white star. Pkt., 10c.

4015 **Dwarf Inimitable.** Regular white stars on deep old rose ground. Pkt., 10c.

4018 **Rose of Heaven.** Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. Pkt., 25c.

4020 **Snowball.** Pure satiny white. Pkt., 15c.

4025 **VAUGHAN'S SPECIAL MIXTURE OF DWARF SMALL FLOWERING VARIETIES** includes all the varieties listed and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts.  $\frac{1}{8}$  oz., 40c; pkt., 10c.

### Balcony Varieties

Single large flowering sorts, trailing habit.

4030 **Balcony Queen.** Rich, velvety violet with white blotches.

4035 **Balcony White.**

4040 **Balcony Blue.** Rich, velvety violet.

4034 **Balcony Red.**

4041 **Balcony Rose.**

4042 **Balcony Mixed.** Above five varieties.

Each of the above, pkt., 150 seeds, 25c.



# Showy New Annual Phlox

ONE of the easiest of annuals to grow, the annual phlox of modern strains cannot be surpassed in their clear, vivid coloring, and variety of tones. All colors of the rainbow can be reproduced in their globular flower heads, borne on strong stems, which in a properly planted bed will form a sheet of color. Seed may be sown in the open as soon as frost danger has passed, and flowers will appear in a few weeks. If faded flowers are removed they bloom until late frosts.

## Grandiflora Varieties □ 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

- 4105 Alba. Pure white.
  - 4107 Alba Oculata. White with dark eye.
  - 4110 Atro-purpurea. Black-brown.
  - 4113 Brilliant. Rose with dark eye.
  - 4115 Carnea. Flesh color.
  - 4120 Chamois Rose.
  - 4125 Coccinea. Fiery scarlet.
  - 4130 Coerulea Striata. Blue-striped.
  - 4137 Dark Blue. True blue.
  - 4140 Isabellina. Yellow.
  - 4145 Kermesina Splendens. Crimson, white eye.
  - 4146 Leopoldi. Rose with white eye.
  - 4150 Gold Star. Pink with gold star.
  - 4155 Rosea. Pink.
  - 4156 Stellata Splendens. Scarlet with white eye.
  - 4160 Violet. With white eye.
- Any the above,  $\frac{1}{8}$  oz., 30c; pkt., 10c.
- 4165 Splendid Mixture (mixed only). 1 oz., \$1.25;  $\frac{1}{4}$  oz., 35c; pkt., 10c.
  - 4175 Cuspidata or Star Mixed. Quaint and unusual flower formation.  $\frac{1}{4}$  oz., 40c; pkt., 10c.
  - 4180 Semi-Double Varieties Mixed. In sandy soil the flowers are more double. Pkt., 15c.

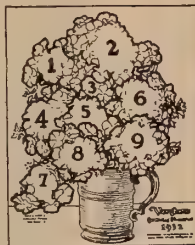
## 4220 VAUGHAN'S SPECIAL MIXTURE ANNUAL PHLOX

Contains all the varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., \$1.60;  $\frac{1}{4}$  oz., 50c;  $\frac{1}{8}$  oz., 30c; pkt., 15c.

## Nana Compacta Dwarf 8 in.

These are much superior to the other Phlox for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

- 4182 Apricot. Yellow.
- 4183 Fireball. Blood-red.
- 4187 Delicata or Old Rose.
- 4189 Snowball. Pure white.
- 4192 Isabelina. Yellow.
- 4195 Sky-blue with White Eye.
- 4200 Salmon Pink.
- 4201 Mirabilis. Salmon-pink with white eye.
- 4203 Violet. Each of the above, pkt., 15c.
- 4205 Nana Compacta. Mixed, all colors.  $\frac{1}{8}$  oz. (mixed only), 40c; pkt., 10c.
- 4210 Cecily. Mixed, all colors. Flowers immense, coloring bright and nearly all blossoms display a white eye.  $\frac{1}{8}$  oz., 50c; pkt., 15c.



- 1 Isabellina Key to Picture  
2 Leopoldi  
3 Gold Star  
4 Chamois Rose  
5 Dark Blue  
6 Stellata Splendens  
7 Fiery Scarlet  
8 Carnea (Flesh)  
9 White with dark eye
- 4225 1 pkt. each of 9 varieties illustrated, 60c.



New Annual Phlox varieties, painted by Winifred Walker the famous English artist. On the left is key showing the varieties illustrated.

HARDY PHLOX—See Perennial pages.

# Poppies of Pastel Tones □

Sow them early—since they defy frosts,—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering.

## Single Annual Poppies

CALIFORNIA POPPY—See Escholtzia

- 4241 Danebrog or Danish Flag. 36 in. Brilliant scarlet flowers; with a silvery spot on each petal, forming a white cross. Pkt., 10c.
- 4245 Flanders Poppy. 30 in. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Sow with Centaurea Cyanus Double Blue.  $\frac{1}{4}$  oz., 25c; 1 oz., 40c;  $\frac{1}{4}$  lb., \$1.25; pkt., 10c.
- 4255 King Edward. 36 in. Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. Pkt., 10c.
- 4270 Tulip (Glaucum). 20 in. Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c.



4285 POPPY Shirley. Pkt., 10c; oz., 30c

## Shirley Poppies (Silk or Ghost)

These have beautiful satiny flowers of various colors, all with white centers, which make the plants very attractive. Foliage is hairy and finely cut.

- 4277 American Legion. A dazzling orange-scarlet of enormous size, borne on long, stout stems.  $\frac{1}{4}$  oz., 25c; pkt., 15c.
  - 4278 Blue Shirley. 20 in. Various blue shades. Pkt., 10c.
  - 4280 Wild Rose Shirley. 20 in. Shades of rose and pink.  $\frac{1}{4}$  oz., 25c; pkt., 10c.
  - 4285 Shirley Mixed. 20 in. Beautiful colors in delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson with a sprinkling of blues. Oz., 30c; pkt., 10c.
  - 4291 Eldorado (Ryburgh Hybrids). 2 ft. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. Pkt., 10c.
  - 4295 Eldorado Salmon Shades. 2 ft. Pkt., 15c.
- SANTA BARBARA POPPY—See Hunnemannia.
- ICELAND AND ORIENTAL POPPIES—See Perennial pages.

## Double Annual Poppies

- 4315 American Flag. Flowers very large, snow-white, scarlet bordered. Pkt., 10c.

### Giant Double

- 4325 Pure White. 4338 Cardinal Red.
  - 4330 Pale Yellow. 4345 Salmon.
  - 4335 Pink. 4350 Heliotrope.
- Each of the above, pkt., 10c.
- 4355 Mikado. 28 in. Flowers white at base, shading off to pink and rose, with elegantly curled petals, like Japanese Chrysanthemum. Pkt., 10c.
  - 4360 Scarlet King. Pkt., 10c.
  - 4365 White Swan. Fringed double-white. Pkt., 10c.
  - 4368 Double Shirley. Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.
  - 4375 Carnation-Flowered Mixture of Double Poppies. Large flowers with fringed petals many striped. Oz., 30c;  $\frac{1}{2}$  oz., 20c; pkt., 10c.
  - 4380 Peony-Flowered Mixture. Double ball-shaped flowers with plain edges of gigantic size. Oz., 30c;  $\frac{1}{2}$  oz., 20c; pkt., 10c.



4310 POPPY Vaughan's Special Double and Single Mixed. Pkt., 10c; oz., 40c

One of our Canadian friends writes:

"In August I cut my iris back to within an inch or two of the ground and sow poppy seed all around them. The following spring the poppies begin to bloom when the iris are thru. They are lovely with the broad leaves of the iris, which help support them."

- 4310 VAUGHAN'S SPECIAL MIXTURE DOUBLE AND SINGLE POPPIES. Comprises not only all the double and single Poppies described, but also a number of other sorts especially purchased for this mixture, including some entirely new ones.  $\frac{1}{4}$  lb., \$1.25; 1 oz., 40c;  $\frac{1}{2}$  oz., 25c; pkt., 10c.

- 4305 VAUGHAN'S SPECIAL MIXTURE SINGLE POPPIES. This mixture includes all the choice single listed Poppies and many other kinds not listed. It is really extra choice.  $\frac{1}{4}$  lb., \$1.25; 2 oz., 75c; 1 oz., 40c;  $\frac{1}{2}$  oz., 25c; pkt., 10c.

- 4390 VAUGHAN'S SPECIAL MIXTURE DOUBLE POPPIES. This includes all the double sorts, and will produce charming flowers in an endless variety of colors.  $\frac{1}{4}$  lb., \$1.25; 1 oz., 40c;  $\frac{1}{2}$  oz., 25c; pkt., 10c.



# Portulaca for Hot Dry Spots

(Rose Moss) □ 6 in.

**P**ORTULACAS not only bear the poorest soil without complaint, but during a dry season when everything else is looking sorry for itself these brave little fellows gaily nod their thousand bright metallic looking flowers and seem to enjoy the drought. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear. Sow between stepping stones.

## Large Flowering Double

- 4435 White.
- 4438 Yellow.
- 4440 Pink.
- 4441 Salmon.
- 4443 Scarlet.

Each of the above,  $\frac{1}{8}$  oz., 75c; pkt., 10c.

- 4455 Double Best Mixture. 1 oz., \$2.50;  $\frac{1}{8}$  oz., 50c; pkt., 10c.

## PHACELIA □

- 4101 *Campanularia*, 8 in. Produces terminal racemes of gentian-blue flowers with conspicuous white anthers; effective for edgings, etc., and a charming pot-plant. One of the earliest annuals and blooms a long time.  $\frac{1}{8}$  oz., 25c; pkt., 15c.

- 4102 *Tanacetifolia*, 18 in. Large compact head of pale mauve flowers. Valuable bee plant. Pkt., 10c.

## PENNISETUM (Fountain Grass) □ 2½ ft.

Tender ornamental grasses, valuable either as individual specimens in the garden or for massing, while as for border plants for beds of Cannas or Caladiums nothing equals them.

- 3920 *Longistylum*. Extremely graceful greenish white plumes. Pkt., 10c.

- 3925 *Rueppelianum*. (Purple Fountain Grass) graceful green foliage and purplish plumes. Pkt., 10c.

## PERILLA

- 3930 *Nankinensis*. □ 1½ ft. Valuable foliage plant, resembling Coleus, dark mulberry-colored leaves. This does especially well in cities as it is not affected by smoke or gas. Seed germinates slowly. Used largely in the gardens of St. Mary's of the Lake Seminary, Mundelein, Ill. Pkt., 10c.

PLUMBAGO—See page 36.

## POLYGONUM

- 4232 *Orientele*. □ 7 ft. Kiss-me-over-the-Garden-Gate. Old fashioned tall growing plant with panicles of small bright pink flowers at the summit of the branches. Pkt., 10c.

## RICINUS (Castor Bean) □

Giant, strong growing plants, with ornamental foliage, well adapted for border backgrounds, temporary screen planting or as center plants in groups of Cannas, Dahlias, etc. Moles are kept away by planting Castor Beans in the borders. Ricinus attract Japanese beetles. After devouring the leaves the insect dies.

- 4545 *Cambodgensis*. 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black. 1 oz., 20c; pkt., 10c.

- 4546 *Crimson Spire*. The bushy plants grow 6 to 8 ft. high with large palmate leaves of a lustrous purple gradually changing to bronzy green, with red stems, stalks and vines and crimson seed spikes. Pkt., 15c.

- 4547 *Borboniensis Arboreus*. 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.

- 4555 *Sanguineus*. 6 ft. Green leaved, red stems. 1 oz., 20c; pkt., 10c.

- 4560 *Zanzibariensis Mixed*. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage. 1 oz., 20c; pkt., 10c.

- 4565 *Zanzibariensis Enormis*. 1 oz., 25c; pkt., 10c.

- 4570 *Mixed*. Many sorts. 1 oz., 15c; pkt., 10c.

## Rock Garden Annual Sorts Mixed

- 4574 Low growing plants of rapid growth, excellent for immediate effect in a rockery. Pkt., 15c.

## Large Flowering Single

- 4400 White.
- 4405 Yellow.
- 4410 Pink.
- 4415 Striped.
- 4420 Scarlet.

Each of the above, oz., \$1.00;  $\frac{1}{8}$  oz., 35c; pkt., 10c.

- 4425 *Giant Parana*. The flowers are fully twice as large as those of other Portulacas and of the most dazzling reddish-purple. Pkt., 10c.

- 4430 *Single Mixed*. Lb., \$6.00;  $\frac{1}{4}$  lb., \$1.70; 1 oz., 60c;  $\frac{1}{8}$  oz., 20c; pkt., 10c.

## RUDBECKIA

- 4580 *Bicolor Superba* (Coneflower). □ 2 ft. Abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt., 10c.

## PYRETHRUM (Foliage Plant)

- 4515 *Aureum Golden Feather*. □ 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Pkt., 10c.

PYRETHRUM ROSEUM—See Colored Perennial Pages.

## RHODANTHE (Everlasting) □ 1 ft.

A charming annual; succeeds in a light, rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting.

- 4530 *Manglesi Rose*. Bright rose flowers, very graceful, makes a pretty pot plant.

- 4540 *Mixed*. Each of above, pkt., 10c.

## SAPONARIA (Soapwort)

- 4691 *Vaccaria Rose*. □ 2 ft. Light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.

- 4693 *Vaccaria Alba*. White.

- 4692 *Vaccaria Mixed*.

- 4694 *Multiflora Scarlet Queen*. 6 in. Dwarf, bearing an immense number of rosy-scarlet flowers.

Each of the above, pkt., 10c.



4455 PORTULACA Double Best Mixed. Pkt., 10c

Plant *Nemesia Orange Queen* with *Pansy Swiss Blue*.



4101 PHACELIA Campanularia. Pkt., 15c

We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.



4560 RICINUS Zanzibariensis. Pkt., 10c



4430 PORTULACA Single Mixed. Pkt., 10c



4692 SAPONARIA Vaccaria Mixed. Pkt., 10c



# Gold-Veined Salpiglossis

ONE of the easiest of annuals to grow, the salpiglossis is in appearance an aristocrat, which is prized in the gardens of the wealthy. It is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every petal. The rule, for growing salpiglossis, is give it room and do not coddle. Sow in the full sun in fairly rich soil as early as possible, and do not crowd. Its blossoms, similar in shape to a petunia, on strong stems are borne profusely until frosts kill the plants.

## SALPIGLOSSIS

2½ ft. □

- 4590 Bright Crimson.  
4591 Brown and Gold.  
4595 Faust. Black.  
4600 Rose and Gold.  
4605 Velvety Violet.  
4610 Golden Yellow.  
4611 Blue and Gold.  
4612 Purple and Gold.  
4613 Scarlet and Gold.  
4614 Velvety Red.  
4616 White and Gold.  
Each of the above, per pkt., 15c.  
4625 Emperor Mixed.  
Large improved strain, complete range of colors. Pkt., 10c.

### 4630 VAUGHAN'S SPECIAL MIXTURE.

This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ½ oz., 35c; pkt., 15c.



4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c

- 4615 *Gloxiniaflora* Mixed. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 15c.

## SANVITALIA Creeping Miniature Zinnia

- 4690 *Procumbens* Fl. Pl. □ 6 in. Sanvitalia flowers are much like tiny Zinnias, golden yellow with very dark purple centers, some single and others double. The plants are prostrate and creep over the soil instead of growing upward. They start blooming in June and continue until frost. Pkt., 10c.

SAINTPAULIA—See page 36.

## SCARLET RUNNER

- 4766 *Scarlet Emperor*. □ In northern locations where summers are cool and short this takes the place of the Large Lima Beans. Plants are of strong, quick growth, bearing large sprays of bright scarlet pea-like flowers. When fully ripened the dry beans are of bright scarlet, blotched with purple. Pkt., 10c.

## SENECIO ELEGANS □ 12 in.

A really beautiful free-flowering hardy annual, producing dense heads of double flowers, which are largely grown for bouquets.

- 4774 *Double Mixed*. Pkt., 10c.

## SILENE

- 4775 *Armeria* Mixed. □ 1½ ft. (Catchfly.) A very showy early flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. Pkt., 10c.

## SCHIZANTHUS □

This is one of the daintiest of annuals. The seed germinates readily and in a few weeks the plant is a mass of small but bright flowers in a bewildering range of colors, all blotched and marked in contrasting shades. The foliage is delicate and fern-like. It may be sown in spring for garden decoration or may be seeded in fall in pots in the conservatory or house for spring blooming.

- 4757 *Vaughan's Excelsior Hybrids*. A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Finest yet offered. Pkt., 25c.

- 4756 *Rose and Amber Shades*. Quite a new strain of pink and rose tints, mostly heavily blotched gold and bronze but also contains some very delicate and pleasing pinks. Pkt., 25c.

- 4760 *Wisetonensis* Mixed. 1½ ft. Profusion of flowers varying from almost white with yellow eye to brilliant rose with bronzy center. Pkt., 15c.

- 4765 *Mixed, all colors*. ¼ oz., 15c; pkt., 10c.

- 4758 *Retusus Roseus*. 2 ft. Large rose flowers fairly cover the plant. Foliage fern-leaved. Upright growth, fine for cutting. Pkt., 15c.

- 4759 *Retusus Rosamunde*. 2 ft. Of upright and stiffer growth than above which makes this type more suitable for cut-flower purposes. Delicate rose-spotted flowers. Pkt., 15c.

## SALVIA □

The brilliant scarlet *Salvia Splendens*, so highly valued as a source of this vivid color in summer beds, borders, window boxes and flower pots, is by no means the only worthy member of this family. The tall pale lavender *Salvia Farinacea* is increasingly popular in summer borders, and *Blue Beard* is an excellent border foreground subject.

- 4640 *America, or Globe of Fire*. 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

- 4655 *Clara Bedman or Bonfire*. 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. Pkt., 10c.

- 4660 *Drooping Spikes*. 2½ ft. This large flowering variety has three times the flowering capacity on each spike as the ordinary. Pkt., 10c.

- 4650 *Fireball*. 1½ ft. The bushy plant is covered with flower spikes of fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.

- 4665 *Indian Purple*. Some object to the scarlet color of the *Splendens* varieties. The flowers of the *Indian Purple* would please them as they are a true purple-violet color. Pkt., 15c.

- 4670 *Zurich*. Early dwarf and compact with large brilliant flower spikes. Pkt., 15c.

- 4675 *Mixed*. All above and others. Pkt., 10c.

- 4680 *Coccinea*. 2 ft. Annual scarlet sage. Pkt., 10c.

- 4683 *Farinacea*. 3 ft. Tall spikes of the most lovely pale cloudy blue. Blooms form a dense mass of foliage. Flowers may be dried and used as an everlasting. Pkt., 10c.

- 4679 *Blue Beard*. Grows 1 ft. high. Its blue-purple heads produce a fine effect in beds and borders and are prized for cutting. Pkt., 10c.

See also Perennial Pages.

## SWEET SCABIOSA (Mourning Bride) 2½ ft. □

The flower stems are long and the blossoms keep well in water. Soft tones predominate. When given plenty of room and faded flowers are kept picked off, it will last through the whole summer. Owing to its sweetness the bees are very fond of it and its flavors also attract all the most beautiful types of butterflies to the neighborhood. Sometimes called the Pincushion plant.

### Large Flowering Double

- |  |                            |
|--|----------------------------|
| 4695 <i>Snowball</i> .   | 4715 <i>Azure Fairy</i> .  |
| 4700 <i>Golden Yellow</i> .  | 4720 <i>Cherry Red</i> .   |
| 4705 <i>Flesh</i> .  | 4725 <i>Black Prince</i> . |
| 4710 <i>Fiery Scarlet</i> .  | 4730 <i>Rose</i> .         |
| 4731 <i>Amethyst or Ageratum Blue</i> .  |                            |
| 4728 <i>Shasta</i> . Pure white of enormous size.  |                            |
| 4729 <i>Peachblossom</i> . A beautiful shade of peach-blossom pink.  |                            |
| Each of above, ¼ oz., 30c; pkt., 10c.  |                            |
| 4743 <i>Dwarf Double Mixed</i> . 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. Pkt., 10c. |                            |

See also Perennial Pages.

- 4740 **SCABIOSA VAUGHAN'S SPECIAL MIXTURE**. Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz., 25c; pkt., 10c.

Mrs. A. L. F. writes:

"Out of 18 exhibits at our County Fair, I received 14 prizes. I have always had the best success with your seeds."



4640 SALVIA SPLENDENS *America*. Pkt., 25c

SENSITIVE PLANT—See *Mimosa Pudica*.  
SHOO FLY PLANT—See *Nicandra*.

SMILAX—See page 36.



4740 SCABIOSA Vaughan's Special Mixture. Pkt., 10c

SNAPDRAGON—See *Antirrhinum*.

SNOW-ON-THE-MOUNTAIN—See *Euphorbia Variegata*.

SPIDER PLANT—See *Cleome Pungens*.



4757 SCHIZANTHUS Vaughan's Excelsior Hybrids. Pkt., 25c





5346 Apollo. Pkt., 10c

5495 Mrs. Herbert Hoover.  
Pkt., 10c5349 Ball's Rose.  
Pkt., 10c

5557 Vogue. Pkt., 10c

5555 Valencia. Pkt., 10c

# All the Finest New Sweet Peas

## Early and Long Season Spencer

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period. Excellent for greenhouse planting and also for outdoor sowing. This class is recommended for all sections where spring is late and of short duration; as they give flowers before the summer heat arrives. Duplexed varieties often have 3 to 4 standards and the same number of wings, giving the appearance of a semi-double flower.

- 5339 Alameda. Deep rose-pink, overlaid with glowing salmon cerise-pink.  
5340 All-White. White seeded white.  
5345 Amethyst. Royal purple.  
5346 Apollo. Soft salmon rose.  
5348 Ball's Blue. Clear blue.  
5349 Ball's Rose. A bright dark rose with amber flush.  
5375 Blue Bird. Violet-blue.  
5353 Blue Bonnet. Large, fine deep blue.  
5350 Blue Boy. Clear blue.  
5351 Bright Light. Flaming scarlet.  
5354 Burpee's Lavender. Light Wisteria lavender.  
5385 Columbia. Salmon rose standard, white wings.  
5395 Cream.  
5398 Eldorado. Orange.  
5400 Enchantress. Rose pink.  
5407 Fascination. A salmon rose-pink flower on exceedingly long stems. Pkt., 25c.  
5411 Fandango (Duplex). Bright rose, large, magnificently frilled, long stemmed.  
5412 Forty-Niner. Deep yet bright true orange shade, long stems.  
5416 Giant Rose. Improved Zvolanek's rose.  
5420 Glitters. Standard bright fiery orange, wings deep orange.  
5430 Grenadier. A glowing poppy-scarlet.  
5438 Harmony. Clear lavender.  
5439 Hercules. Mammoth rosy pink.  
5451 Illumination. Salmon cerise.

- 5452 Imperial Pink. Clear pink.  
5466 Jeanne Mamitsch. Striking pink, shading off to deepest pink.  
5471 Lady Gay. Delightful shade of soft shrimp pink.  
5486 Majestic Rose. Immense deep, brilliant rose-pink flowers on long stems. Pkt., 15c; ½ oz., 40c; Oz., 75c.  
5489 Morse's Superior Pink. Beautiful clear rose-pink, very slightly shaded with salmon.  
5488 Mrs. Calvin Coolidge. Salmony pink.  
5490 Mrs. Chas. A. Zvolanek. Clear lavender.  
5495 Mrs. Herbert Hoover. "The California Blue."  
5491 Mrs. Kerr. The best salmon.  
5492 New Blue. Deep blue.  
5514 Peaches. Bright apricot rose with touch of lemon in the keel. Pkt., 15c; ½ oz., 40c; oz., 75c.  
5493 Orange King. Glowing intense orange.  
5520 Rose Queen. Rose pink.  
5524 Sparkle. Bright, clear vivid scarlet, sun-proof.  
5540 Snowstorm Improved. Flowers large, pure white of great substance.  
5542 Sweet Lavender. Pure lavender self.  
5555 Valencia. Color bright orange, sun-proof.  
5557 Vogue. Standard lilac lavender, flushed rosy lavender and wings clear lilac lavender.  
5556 Vulcan. Vivid scarlet.  
5585 Zvolanek's Rose. A giant rose pink.  
5586 Zvolanek's Orange.  
Price Early Flowering, any of above except Fascination, Majestic Rose, and Peaches noted otherwise. Pkt., 10c; ½ oz., 30c; oz., 50c. Any 3 10 cent pkts., 25c.

### Special Offer

5596 One pkt. each Apollo, Mrs. Herbert Hoover, Ball's Rose, Vogue, Valencia for 40c.

5595 VAUGHAN'S SPECIAL MIXTURE  
Early Flowering Spencers. All the varieties listed and many others. Oz., 60c; pkt., 15c.

## 10 BEST LATE FLOWERING Spencer Sweet Peas Collection No. 5325

Price, one packet of each for 50c.

White	Constance Hinton
Salmon Pink	Hawlmart Salmon Pink
Crimson	Sybil Henshaw
Light Blue	Heavenly Blue
Lavender	Wembley
Orange	Guinea Gold
Dark Blue	Fortune
Maroon	Warrior
Picotee	Youth
Cream Pink	Fluffy Ruffles

## 10 BEST EARLY FLOWERING Spencer Sweet Peas Collection No. 5600

Price, one packet of each for 75c.

Lavender	Harmony
Rose Pink	Ball's Rose Queen
Orange	Eldorado
Salmon Pink	Spring Song
White	White Harmony
Clear Blue	Mrs. Herbert Hoover
Scarlet	Grenadier
Cerise	Glitters
Deep Rose	Jeanne Mamitsch
Royal Purple	Amethyst

## Late Flowering Spencer

- 4989 Ambition. A new lavender, perfectly distinct, with a darker shade on the standard and wings when young. Pkt. (20 seeds), 25c.  
4987 Avalanche. Glistering white of great substance.  
5003 Charity. Best red.  
5015 Commander Godsall. Violet-blue.  
5020 Constance Hinton. Mammoth white, black seeded.  
5025 Crimson King. Rich deep crimson.  
5037 Debutante. A lovely soft creamy salmon. Pkt., 25c.  
5065 Fiery Cross. Turkey-red.  
5045 Floradale. A new salmon-pink on a cream ground, duplexed. Pkt. (20 seeds), 25c.  
5064 Fluffy Ruffles. A new type, duplexed and frilled, with long stems. A lovely rich rose-pink, a gleam of soft salmon, and a bright creamy undertone blend into a harmonious cream-pink shade.  
5063 Fortune. Rich dark blue.  
5066 George Shawyer. Giant salmon-rose.  
5069 Gold Crest. Orange tinted salmon.  
5070 Guinea Gold. Golden orange.  
5115 Hawlmart Salmon Pink.  
5117 Heavenly Blue. Delphinium-blue.  
5145 King White. Absolutely pure white.  
5167 Mary Pickford. Dainty cream-pink, suffused salmon.  
5199 Pinkie. Large rose pink. British National Sweet Pea Society Bulletin lists this as one of the best 24 varieties.  
5195 Powers Court. One of the finest lavenders.  
5200 Prince of Orange. Deep orange.  
5255 Royal Purple. The best purple.  
5259 Royal Salute. Deep cerise.  
5260 Royal Scot. The most brilliant scarlet.  
5268 Sybil Henshaw. Deep crimson.  
5310 Warrior. Rich chocolate-maroon.  
5296 Welcome. Fiery orange-scarlet. Most intense and glowing color. Pkt., 25c.  
5293 Wembley. Lavender suffused Plumbago blue.  
5311 Youth. Large white, pink picotee edge. British National Sweet Pea Society Bulletin lists this as one of the best 24 varieties.  
Price Late Flowering, any of above except Ambition, Debutante, Floradale and Welcome noted otherwise. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.65. Any 3 10 cent pkts. for 25c.

For Perennial SWEET PEAS—See Lathyrus Lati-folius in Perennial pages.

### Vaughan's Special Mixture

5320 Spencer Varieties. This mixture is one we make ourselves from named sorts of late flowering ruffled or Spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.



# New Race of Giant Stocks

ALL the desirable qualities exhibited by the magnificent stocks displayed nowadays in florists' windows, are present in well grown plants in garden beds and borders. Sturdy flower spikes covered with rosette blossoms in soft colors of an exceptional tone range, rise above the attractive dull or glossy foliage to a height varying in the different classes. Stocks require a rich soil of a sandy well manured loam, mixed with compost well rotted sod and plenty well decayed manure. Only about 60 per cent of the flowers, will come double, the rest are single.

## (Levkojen) □ Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding.

- 4830 White.
- 4835 Canary Yellow.
- 4838 Flesh.
- 4841 Rose Pink.
- 4845 Crimson.
- 4850 Light Blue.
- 4853 Mauve (Water Blue).
- 4856 Dark Blue.
- Each of the above, pkt., 10c.
- 4865 Best Mixed. (Mixed only.)  $\frac{1}{4}$  oz., 50c; pkt., 10c.

## Bismarck $2\frac{1}{2}$ ft.

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and thick flower stalks. The best variety for greenhouse use.

- 4925 White.
- 4929 Old Rose.
- 4940 Gold Ball.
- 4947 Flesh.
- 4948 Golden Rose.
- 4946 Chamois.
- 4945 Blood-red.
- Each of the above, pkt., 15c.
- 4949 Bismarck Mixed. (Mixed only.)  $\frac{1}{4}$  oz., 50c; pkt., 15c.



4949 STOCKS Bismarck Mixed. Pkt., 15c

## Giant Perfection "Cut and Come Again" $1\frac{1}{2}$ ft.

Useful for outdoor bedding as well as for pots or cut flowers. They throw out numerous side branches, all bearing very double, fragrant flowers.

- 4875 Improved Snow-drift White.
- 4880 Canary Yellow.
- 4885 Pink.
- 4895 Scarlet.
- 4905 Light Blue.
- 4915 Dark Blue.
- 4890 Old Rose Improved. A favorite color in Garfield Park Conservatory in Chicago.
- 4900 Empress Augusta Victoria. Silvery lilac.
- 4910 Heatham Beauty. A rich mauve, shaded terra cotta.
- Each of the above, pkt., 10c.
- 4920 Giant Perfection Mixed. (Mixed only.)  $\frac{1}{4}$  oz., 40c; pkt., 10c.



4795 STATICE Suworowii. Pkt., 15c

SWEET ROCKET—See Hesperis in perennial pages.

SWEET WILLIAM—See colored perennial pages.

SURPRISE GARDEN—See page 37.

SWAN RIVER DAISY—See Brachycome.

4970 VAUGHAN'S SPECIAL MIXTURE OF STOCKS. Contains all the varieties listed and many others not catalogued.  $\frac{1}{4}$  oz., 50c; pkt., 15c

# Sunflowers of Infinite Variety

## SUNFLOWER Helianthus □

These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and subtropical gardening; the dwarfier kinds, with smaller flowers, are charming when grouped in mixed flower borders.

### Large Flowered Tall

- 2700 Annuus Purpureus. Gaillardia-flowered or Red Sunflower. 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow and others slightly washed with red. They vary in size, and usually have a small disc, and often two rows of long, slightly curled rays.  $\frac{1}{4}$  oz., 25c; pkt., 10c.
- 2703 Annuus Aureola. This is an intermediate form of the annuus and cucumerifolius varieties. The flowers, owing to its peculiar rays of petals tinted with red to delicate yellow with a brown-red center, have the effect of an aureola. Free bloomer. Pkt., 15c.
- 2704 Intermediate Sanguineus Excelsior. A hybrid of annuus purpureus and cucumerifolius from the latter it secured its elegant growth, while the former furnished its magnificent red flowers. Pkt., 15c.
- 2705 Argyrophyllus. 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. Pkt., 10c.
- 2707 Californicus Fl. Pl. 5 ft. Double dark yellow. Pkt., 10c.
- 2709 Chrysanthemum Flowered Double. 6 ft. Golden yellow flowers. Pkt., 10c.
- 2715 Double Mixed. Pkt., 10c.
- 2717 Globosus Fistulosus Fl. Pl. 6 ft. Double globe or dahlia saffron flowers. Pkt., 10c.
- 2722 Nanus Flore Pleno.  $2\frac{1}{4}$  ft. Double dwarf, beautiful for massing in beds. Pkt., 10c.
- 2725 Russian Mammoth. Single, of gigantic dimensions. Sow a few seeds in the corner of the garden and it will provide in late Summer a feeding table for a large number of birds. 1 oz., 5c.

### Miniature-Flowered

The cucumerifolius form spreading bushes with small graceful foliage and bear a multitude of small elegantly formed flowers.

- 2727 Cucumerifolius.  $3\frac{1}{2}$  ft. Charming small flowers, rich golden yellow with brown-black center  $\frac{1}{4}$  oz., 25c; pkt., 10c.
- 2735 —Stella. Large golden yellow petals; small, dark center. Pkt., 10c.
- 2737 —Orion. Petals rolled, resembling Single Cactus Dahlia. Pkt., 10c.

## SUNFLOWER Miniature—Continued

- 2740 Cucumerifolius Purpureus. Red and yellow tones. Pkt., 10c.
- 2745 —Double Hybrids. Double and semi-double flowers. Pkt., 10c.
- 2755 —Vaughan's Special Mixture. Includes all the above of cucumerifolius varieties.  $\frac{1}{4}$  oz., 20c; pkt., 10c.
- 2760 VAUGHAN'S SPECIAL MIXTURE of all the single and double Sunflowers.  $\frac{1}{4}$  oz., 25c; pkt., 10c.

## STATICE □

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among everlasting, and have come to be indispensable in making winter bouquets.

- 4795 Russian (Suworowii, or Rat Tail). 1 ft. Flowers bright rose color. Pkt., 15c.
- 4800 Bonduellii. 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.
- 4801 Sinuata Rosea Superba. 3 ft. A charming new bright color. Pkt., 10c.
- 4802 —True Blue. 3 ft. A new deep blue. Pkt., 10c.
- 4804 —White. 3 ft. Pkt., 10c.
- 4805 —Mixed. 3 ft. Pkt., 10c.

## TORENIA

- 5645 Fournieri. □ + 10 in. Bushy globular plants literally covered with the lovely, richly-colored snapdragon-like flowers of a delightful sky-blue. With a touch of gold on the lip. They are excellent for beds, pots or hanging baskets. Pkt., 15c.
- 5646 —Compacta. This is a dwarf form of the above, better for pots. Pkt., 15c.
- 5647 —Speciosa. Large flowered. Pkt., 15c.
- 5650 White Wings. Flowers white with rose throat. Pkt., 10c.
- 5651 Baillonii. Yellow with brown markings. Pkt., 15c.

## TRACHELIUM

- 5656 Coeruleum. □ Height, 18 in. Free-growing annual having large cloud-like heads of tiny blue flowers resembling Gypsophila. Also makes a fine pot plant. Pkt., 25c.

## TRITOMA

- 5655 Hybrida Mirabilis. □ An annual Red-Hot Poker Plant. Seed should be sown in temperate heat from January to March, pricked off and treated like half hardy annuals. The seedlings may be planted in open ground from end of April to May and they will bloom freely from August to late in the autumn. Pkt., 15c.



## THUNBERGIA

- 5640 Alata, Mixed (Black-Eyed Susan). □ = 5 ft. A lovely trailing plant with large showy flowers. It will trail over the ground, forming a dense mat of foliage and flowers. Colors range through all shades of yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes, which are very effective.  $\frac{1}{4}$  oz., 30c; pkt., 10c.



5645 TORENIA Fournieri. Pkt., 15c





5706 Rosea Stellata. Pkt., 15c.

5718 Lavender Glory. Pkt., 25c.

5701A Etna. Pkt., 15c.

5685 Mayflower. Pkt., 10c.

## Verbenas for Color Rich and Varied

MODERN verbenas excel in size and vivid coloring, without losing the qualities of vigor and free-flowering which endeared them to our grandmothers. As material for supplying desired color effects in beds or borders, they are in the front rank. The pinks are like those found in Trailing Arbutus; the purple is truly royal; the scarlet is like rich velvet; the white is as pure as snow; the blue and lavender tints are dainty; and besides the clear color varieties there are sorts with white and dark eyes, and others that are striped.

### Gigantea

This is a new strain of Grandiflora Verbenas; the plants are compact growers, bearing immense trusses the individual florets measuring an inch and over in diameter.

- 5701 **Gigantea Alba**. Pure white.  
 5702 —**Coccinea**. Scarlet, small eye.  
 5701A —**Etna**. Geranium-red, with a cream eye.  
 5718 —**Lavender Glory**. A true lavender with a medium-sized creamy white eye which accentuates the lovely lavender tone. The color runs about 80% true, and the individual florets will cover a fifty cent piece. It is also distinctly and sweetly fragrant. Pkt., 25c.  
 5703 —**Lucifer**. Vivid scarlet-self.  
 5704 —**Luminosa**. Luminous flame-pink shading to salmon.  
 5705 —**Rose Cardinal**. Carmine-rose with large white eye.  
 5706 —**Rosea Stellata**. A pure rose-pink, with large white eye.  
 5719 —**Royale**. Royal blue with a creamy yellow eye. Pkt., 25c.  
 5717 —**Sutton's Giant Pink**. A fine salmon pink with a faint light eye. Pkt., 25c.  
 5707 —**Violacea Stellata**. Deep violet, white eye. Each of above except Royale, Suttons Giant Pink and Lavender Glory, pkt., 15c.

5728 1 pkt. each Rosea Stellata, Lavender Glory, Etna, Mayflower, as illustrated, for 50c.

5708 **Gigantea Mixed**. A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, with white eye, the reds particularly are attractive.  $\frac{1}{8}$  oz., 35c; pkt., 15c.

### Hybrida

- 5660 **Defiance**. An intense scarlet. Pkt., 10c.  
 5666 **Blue Shades**. Pkt., 10c.  
 5670 **Lutea**. Yellow. Pkt., 10c.  
 5685 **Mayflower**. Various shades of pink. Pkt., 10c.  
 5700 **Purple Shades**. Dark purple. Pkt., 10c.  
 5730 **VAUGHAN'S BEST MIXTURE**. It includes all the Mammoth and Gigantea sorts and several other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz., \$3.00;  $\frac{1}{8}$  oz., 50c; large pkt., 25c; pkt., 15c.

5715 **Mammoth Mixed**. Producing in handsome umbels flowers of large size of white, rose, scarlet, blue, purple.  $\frac{1}{4}$  oz., 40c; pkt., 10c.

5737 **Nana Compacta Mixed**. 10 in. A mixture of dwarf growing varieties suitable for ground cover edging or rock work. Pkt., 10c.

5750 **Citridora (Lemon-Scented Verbena)**. An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 10c.

5755 **Erinoides**. 12 in. Is a fine rock garden plant. This lovely variety produces a nest of moss-like foliage spreading over the ground like a carpet, above which are borne heads of purplish-blue blossoms in lavish profusion. Blooms until frost. Pkt., 10c.

5760 **Erinoides Alba**. 12 in. Of the same character as the Erinoides purple, but with white flower heads; very pretty. Pkt., 10c.

5765 **Venosa**. 1 ft. Largely used for bedding purposes; strong, thrifty grower, covered with bright purple and heliotrope flowers. Seeds are slow to germinate. Should be sown in the house before March. Blooms until frost.  $\frac{1}{8}$  oz., 30c; pkt., 10c.

### TITHONIA

5641 **Speciosa, Mexican Sunflower**. ① A rare plant from Mexico. Throwing up from the root many stout, woody stems furnished with rather large foliage. The flowers are large and remind one of an immense single Zinnia; color, dazzling orange-scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders; will also bloom in winter in the house, if lifted before frost. Pkt., 25c.



5641 TITHONIA Speciosa. Pkt., 25c

## Bushy Bed and Border Zinnias

FOR border effects during hot weather when perennial flowers are few, the small flowered zinnias are coming rapidly to the front. They bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants, and cut flowers.

### Pumila Double 18 in.

- Extra double flowers, produced on regular dwarf plants.  
 6080 **Snow Ball**. 6093 **Pink Ball**.  
 6085 **Golden Ball**. 6095 **Fire Ball**.  
 6100 **Watermelon Pink**. A very pleasing and charming shade of salmon-rose.  
 Each of the above, oz., \$1.20;  $\frac{1}{4}$  oz., 35c; pkt., 10c.  
 6105 **Pumila Mixed**. Oz., 75c;  $\frac{1}{4}$  oz., 25c; pkt., 10c.

6110 **Red Riding-Hood**. 1 ft. Of compact form covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective.  $\frac{1}{4}$  oz., 30c; pkt., 10c.

6115 **Mexicana or Miniature**. Flowers small and showy, daisy-like in form, range in color from yellow to mahogany red, free flowering. Excellent for decorative bowl arrangements. Pkt., 15c.

6120 **Mexicana Fl. Pl.** 16 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. Pkt., 10c.

6125 **Mexicana Fl. Pl. Hybrids**. 16 in. Double flowers in various shades of brown and orange. Pkt., 10c.

### Pompon or Lilliput Double 12 to 15 in.

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall.

- 6064 **Purple Gem**. 6065 **Salmon Rose**.  
 6068 **Rose Bud**. New Gem.  
 rose pink Pkt., 15c. 6066 **Scarlet Gem**.  
 6062 **Golden Gem**. 6067 **White Gem**.  
 6063 **Orange Gem**.

Each of the above, except Rose Bud,  $\frac{1}{4}$  oz., 35c; pkt., 10c.  
 6075 **Lilliput Mixed**, all colors. Oz., \$1.00;  $\frac{1}{4}$  oz., 30c; pkt., 10c.

### Elegans Fl. Pl. Double Flowered 21½ ft.

5850 **Crested and Curled**. The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias. Pkt., 10c.



6125 ZINNIA Mexicana Hybrids fl. pl. Pkt., 10c



# Giant Flowered Zinnias

**M**OST gorgeous of annuals with a wonderful range of color. Extremely double flowers with long stems and good keeping qualities, make this old fashioned flower a joy in the garden. If grown in sunny spot in well fertilized soil and watered freely the flowers will be more completely double. To grow extra large zinnias, thin so the plants are twelve to fifteen inches apart in the row and rows three feet apart for the giant and two feet apart for the small varieties. Do not plant until all danger of frost is past and do not plant nearer to trees than the height of the tree. Dust with finely ground sulphur when the first buds are beginning to form at the rate of  $\frac{1}{2}$  pound per square rod to avoid mildew.

## Dahlia Flowered 3 to 4 ft.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 to 8 inches in diameter, resembling Show Dahlias.

- 6132 **Buttercup.** An immense deep creamy yellow.
- 6131 **Canary Bird.** A delicate shade of primrose.
- 6133 **Crimson Monarch.** Rich crimson. By far the largest and best of red shades. Flowers often eight inches in diameter.
- 6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple).
- 6135 **Exquisite.** By far the most pleasing of our collection. Color light rose with center a deep rose. (Tyrian Rose.)
- 6137 **Golden Dawn.** This beautiful shade of golden-yellow comes true to color and form.
- 6136 **Golden State.** A very rich orange-yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.
- 6130 **Illumination.** Similar to Exquisite but a striking self-color of deep rose. (Tyrian Rose.)
- 6142 **Meteor.** A rich glowing deep red; darkest of all red shades.
- 6129 **Old Gold.** Glowing burnished deep and lighter shades of Old Gold.
- 6138 **Oriole.** An immense orange and gold bicolor, changing slightly as it ages.
- 6139 **Polar Bear.** A very large pure white, the best white yet seen in Zinnias. True Dahlia form.
- 6140 **Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.
- Each of the above,  $\frac{1}{4}$  oz., 75c; pkt., 15c; any 4 pkts. for 50c.
- 6145 **Dahlia Flowered Mixed.** All the above and others. A very charming and delightful surprise will result if you plant this. Oz., \$1.50;  $\frac{1}{4}$  oz., 50c; pkt., 15c.

## California Giants 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful.

- 6164 **Cerise Queen.** Beautiful cerise rose.
- 6162 **Enchantress.** Extra choice pink.
- 6146 **Grenadier.** A very dark red, similar in color to 6142 above.
- 6147 **Lavender Gem.** A color very closely resembling the now famous Dahlia Flowered Lavender Dream.
- 6150 **Lemon Queen.** The petals are light canary on the upper and cerise on the lower side. It is the only Zinnia with fragrance.
- 6163 **Miss Willmott.** Soft pink.
- 6151 **Orange King.** Similar in color to the Calendula of the same name.
- 6153 **Purity.** A clean pure white.
- 6166 **Rose Queen.** Tyrian rose with deep rose-red center.
- 6165 **Scarlet Queen.**
- Each of the above,  $\frac{1}{4}$  oz., 75c; pkt., 15c; any 4 pkts. for 50c.
- 6156 **California Giants Mixed.** Oz., \$1.50;  $\frac{1}{4}$  oz., 50c; pkt., 15c.

## Quilled Type

- 6158 **Achievement or Victory Mixed.** The petals are quilled giving somewhat the appearance of a cactus dahlia in various shades of tan. Pkt., 15c.

## Scabiosa Flowered

- 6159 **Mixed.** 2 $\frac{1}{2}$  ft. A new form. On a single corona of outside petals stands a semi-globular crown with a large number of small florets giving a most interesting effect, similar in form to the flowers of the Scabiosa. Although the reproduction from seeds is not yet quite true, it will meet with favor. Pkt., 35c.



6145 ZINNIA Dahlia Flowered, Mixed. Pkt., 15c

## Colossal or Giant Flowered 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

- 5935 **Buttercup.**
- 5976 **Burnt Orange.**
- 5937 **Bright Rose.**
- 5930 **Cream.**
- 5977 **Crimson.**
- 5965 **Golden Yellow.**
- 5978 **Lavender.**
- 5975 **Orange.**
- 5960 **Pink Shades.**
- 5990 **Royal Purple.**
- 5944 **Salmon Rose.**
- 5980 **Scarlet.**
- 5985 **Violet.**
- 5925 **White.**
- Each of the above,  $\frac{1}{4}$  oz., 35c; pkt., 10c.
- 6015 **Vaughan's Colossal Zinnias, Mixed.** A mixture we make of all the separate colors. Lb., \$12.00;  $\frac{1}{4}$  lb., \$3.00; oz., \$1.00;  $\frac{1}{4}$  oz., 30c; pkt., 10c.

## Giant Picotee

A new and distinct class with double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with darker shades.

- 6157 **Giant Picotee Mixed.** Pkt., 15c.

6170 **VAUGHAN'S SPECIAL MIXTURE** of all Giant sorts including the cream of the Dahlia Flowered Colossal, California Giants and Picotee mixed. This will produce a mass of color and will make a corner gay in the garden.  $\frac{1}{4}$  oz., 60c; pkt., 25c; 5 pkts. for \$1.00.



6065 ZINNIA Lilliput Salmon Rose Gem. (See page 64.) Pkt., 10c



6159 ZINNIA Scabiosa Flowered. Pkt., 35c





5658 VENIDIUM Fastuosum. Pkt., 35c.

## New African Daisy Venidium

- 5659 **Calendulaceum**. 14 in. A strong growing, bushy plant with large brilliant orange colored, daisy-like flowers with a paler zone round the central dark disc. The fine silver-grey foliage adds to its beauty. Pkt., 15c.
- 5658 **Fastuosum**. 2 to 3 ft. Above the greyish silky foliage rise numerous orange flowers, are marked with a purple-black zone averaging four to five inches across. Treat as a half-hardy annual, sowing in March or April, as germination is difficult earlier. Plant in sunny position. Pkt., 35c.

### VIOLA CORNUTA (Tufted Pansies) ☐

These cousins of the larger flowered pansy bloom so freely that many consider them superior where a mass of color is desired. The season is long, and colors particularly clear and distinct.

- 5806 **Alba**. Large white flowers. Pkt., 10c.
- 5807 **Admiration**. Violet-blue flowers. Pkt., 10c.
- 5808 **Black Prince**. Rich velvety black. Pkt., 10c.
- 5809 **Blue Perfection**. Pale blue flowers. Pkt., 10c.
- 5810A **Primrose Dame**. Sulphur yellow. Pkt., 15c.
- 5816 **Puck**. Upper petals purple-velvet, lower clear yellow. Pkt., 15c.
- 5812A **Terra-Cotta**. Terra-cotta shades. Pkt., 15c.
- 5852 **G. Wermig**. Resembles large violet. Pkt., 25c.
- 5853 **G. Wermig Alba**. White. Pkt., 10c.
- 5810 **Lutea Splendens**. Bright yellow. Pkt., 10c.
- 5811 **Papilio**. Flowers soft lavender-purple, lower petals flushed white. Pkt., 10c.
- 5812 **Rose**. Pkt., 10c.
- 5813 **Vaughan's Improved Scotch Pansies**. From pale lavender to deep rich purple, many intermediate shades. Pkt., 25c.
- 5814 **Cornuta Mixed**.  $\frac{1}{4}$  oz., 35c. Pkt., 10c.

See also Perennial and Novelty pages.

### WHITLAVIA

- 5845 **Gloxinioides Blue (California Canterbury Bells)**. ☐ 1 ft. Deep lavender-blue with white throat resembling small Gloxinias. Pkt., 10c.



5813 VIOLA Vaughan's Improved Scotch Mixed. Pkt., 25c

### WALLFLOWER (Goldlack) $\div 1\frac{1}{2}$ ft.

Wallflowers should be better known because of their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers. The oriental coloring of the flowers in rich reds and yellows is very effective. They are easily grown and last long as cut flowers. In the Northern States, should be wintered in cold frames.

- 5820 **Single Mixed**. Pkt., 10c.
- 5825 **—Annual Blood-Red**. Pkt., 10c.
- 5824 **—Goliath**. Shining red with a velvety black sheen. Pkt., 10c.
- 5830 **—Annual Golden Gem**. Pkt., 10c.
- 5835 **—Annual Mixed**. Pkt., 10c.
- 5840 **Double Mixed**. Pkt., 15c.
- 5832 **Early Forcing Annual Double**. This was developed by crossing the perennial double with the early annual and should thrive and bloom profusely in warm and dry countries where only the early annual singles are successfully cultivated. A fine pot-plant and if sown early will bloom first year from seed. Pkt., 25c.

### WILD CUCUMBER

- 5847 **Echinocystis Lobata**. ☐ = Quickest growing climber on our list. It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder.  $\frac{1}{4}$  lb., 75c; 1 oz., 25c;  $\frac{1}{2}$  oz 15c; pkt., 10c.

### VINCA ROSEA (Periwinkle) + 1 ft.

Ornamental free-blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed germinates slowly but if sown early plants will bloom the first summer. They can be taken up in the fall, potted, and kept in bloom through the winter.

- 5775 **White**. Pkt., 10c.
- 5780 **Delicata**. Soft pink. Pkt., 10c.
- 5785 **White with Eye**. Pkt., 10c.
- 5790 **Pink**. Pkt., 10c.
- 5800 **Rosea Mixed**. Pkt., 10c.

### XERANTHEMUM

- 5849 **Double Mixed**. ☐ 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt., 10c.

### ZEA (Rainbow Corn)

- 6174 **Japonica fol. var. (Variegated Corn)**. Striped green and white. Pkt., 10c.
- 6175 **Japonica Quadricolor Perfecta**. ☐ 4 ft. Tall grass-like plant for mixed beds and borders or isolated groups. Thrives in rich, light, warm soils. The leaves are striped in yellow, green, rose and dark red. Pkt., 10c.



### VIRGINIA STOCK

- 5815 **Mixed**. ☐ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect.  $\frac{1}{4}$  lb., 75c; oz., 25c;  $\frac{1}{2}$  oz., 15c; pkt., 10c.



### VISCARIA ☐

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

- 5802 **Cardinalis**. 1 ft. Bright carmine. Pkt., 10c.
- 5801 **Blue Bonnet**. 1 ft. Large blue. Pkt., 25c.
- 5803 **Nana Compacta**. Dwarf Mixed. 8 in Pkt., 10c.
- 5805 **Mixed**. 1 ft.  $\frac{1}{4}$  oz., 25c; pkt., 10c.



5800 VINCA Rosea Mixed. Pkt., 10c



# Perennial Flower Seeds and Plants

For additional list of perennials, seeds and plants, see pages 73 to 82. Varieties marked X are suitable for Rock Garden.

Note—All plants are F. O. B. our Greenhouses, Western Springs, Illinois. Postage must be added to cover cost of transportation at rates noted on page 73 or else they will be sent express at buyer's expense.

## AQUILEGIA (Columbine)

Beautiful hardy perennials, producing graceful spurred flowers on 2-ft. stems. One of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation.

- 7119X *Alpina*. Blue. 2 ft. April-July. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50.  
 7120 *Canadensis* (American Columbine). 1 to 2 ft. May-July. Handsome scarlet and orange flowers. Seeds, 10c per pkt.  
 7121 *California Hybrids*. 3 ft. Flowers large, long spurred, dark carmine-lake with light yellow corolla. Pkt., 20c.  
 7125 *Chrysantha*. 3 to 4 ft. May-August. Yellow, long spurred. Seeds, 15c per pkt.  
 7127 —*Grandiflora Sulphurea*. 3 ft. Soft sulphur-yellow flowers. Pkt., 25c.  
 7130 —*Fl. Pl.* 3 ft. Double golden yellow. Pkt., 15c.  
 7135 —*Grandiflora Alba*. 3 ft. Large flowering, pure white, long spurs. Seeds, 15c per pkt.  
 7126 —*Silver Queen*. 3 ft. Long spurred silvery white flowers. Seeds, 25c per pkt.  
 7140 *Coerulea* (Rocky Mountain Columbine). 1 to 2 ft. April-July. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.  
 7145 —*Rosea* (Rose Queen). 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers. Seeds, 25c per pkt.  
 7150 *Mrs. Scott Elliott's Strain of Long-Spurred Hybrids*. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc. The whole form a most harmonious mass of coloring seldom seen in other flowers. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two year clumps, 3 for \$1.25; doz., \$4.00; 100, \$25.00.  
 7151 *Dobbie's Imperial Hybrids*. A wonderful hybrid mixture. Contains every conceivable shade. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two year clumps, 3 for \$1.25; doz., \$4.00; 100, \$25.00.  
 7153 *Farquhar Pink*. 2 ft. Beautiful pink with lighter centers and creamy anthers. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two year clumps, 3 for \$1.25; doz., \$4.00.  
 7154 *Glandulosa Vera*. 3 ft. Bright sky-blue with white corolla. Pkt., 50c.  
 7152 *Jaetschauti*. 3 ft. Large-flowered yellow with long, red spurs. Seeds, 25c per pkt.  
 7165 *Skinneri* (Mexican Columbine). 2 to 3 ft. June-August. Large scarlet and yellow flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50.  
 7171 *Edelweiss*. 16 to 20 inches. The plants are covered with large erect snow-white blossoms. Pkt., 25c.



AQUILEGIA Mrs. Scott Elliott's Strain of Long-Spurred Hybrids

## AQUILEGIA—Continued

- 7175 *Single Mixed*. Many varieties. Pkt., 10c.  
 7180 *Double Mixed*. Seeds, 10c per pkt.  
 7190 **AQUILEGIA VAUGHAN'S SPECIAL MIXTURE** includes all the varieties mentioned and many new colors not found in any named collection. Seeds, 25c per pkt.



ANEMONE Japonica

## ANEMONE (Wind Flower)

A genus which furnished a number of very showy species of hardy perennials for border decoration, also attractive flowers for cutting. Some commence to flower very early in the year, and others contribute largely to the gaiety of the garden in autumn. Seeds germinate very slowly.

- 7075X *Coronaria* (Poppy Anemone). Mixed colors. Early spring-June. 6-12 in. Seeds, pkt., 10c.  
 7080X —*St. Brigid's Strain*. May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. Seeds, pkt., 20c.  
 7079 —*Double Chrysanthemum Flowered*. Seeds, pkt., 20c.  
 7077 —*His Excellency*. A large single scarlet flower. Seeds, pkt., 25c.

*Anemone Japonica* (Japanese Windflower). A valuable and beautiful species 2 to 3 ft. tall, blooming freely from late August till severe frosts. One of the most important garden plants; the graceful blooms, often 3 inches across, borne on long stems make a wonderful display and are fine for cutting. They prefer shade, moisture, a fertile and well drained location. Protect in winter. When once established they should not be disturbed and will gain in size and beauty each year.

- Alba*. White, yellow center.
- Alice*. Silvery rose-pink.
- Huopenhensis*. Rose-pink.
- Lorelei*. Lilac rose, semi-double.
- Queen Charlotte*. La France pink, semi-double.
- Richard Arends*. Large shell pink.
- Whirlwind*. Full double white.

Plants, any of above *Anemone Japonica*, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

- 7090X *Pulsatilla* (Pasque Flower). 1 ft. April-May. Well adapted for rockwork or border, flowers varying from lilac to purple. Seeds, pkt., 10c.  
 7095X —*Rubra*. 6 to 9 in. April-May. Dark red, erect flowers. Seeds, pkt., 15c.

7100X *Sylvestris* (Snowdrop Windflower). 1 to 1½ ft. Large, nodding, sweet-scented white flowers, tinged lavender. April-May. Seeds, pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## Anemone Collection No. 67

One plant each of 4 varieties our selection for \$1.20.



## ASTER (Michaelmas Daisy)

Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.

- 7226X *Alpinus Goliath*. 6 to 10 inches high and bears large showy bluish-purple flowers with yellow center in May and June. Seeds, pkt., 20c.  
 7227X —*Nixe*. Light blue, star-shaped, 12 in. Seeds, pkt., 15c.  
 7227A X —*Mixed*. 5 to 10 inches high. Large lavender-blue and white flowers. May-June. Pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.  
 7224 *Amellus Hybridus*. 2½ ft. New named varieties finest mixed. Seeds, pkt., 25c.  
 —*Amellus Gloria Compacta*. 1½ ft. Sept.-Oct. Dwarf bushy plants literally covered with mauve-pink blooms. Fine for rockery. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.  
 7228X *Subcoeruleus*. 15 inches. Forms a dense tuft of leaves from which issue many leafless stems 12 in. high, bearing in June and July azure blue daisy-like flowers 3 in. in diameter with golden centers. Seeds, pkt., 20c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.  
 7225 *Perennial, Large-Flowering Mixed*. Various shades of blue. Seeds, pkt., 25c.

*The Novi Belgii Type*. Better known as the Michaelmas Daisies.

*Abendrothe*. 3 to 5 ft. Oct. Beautiful deep rose. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

*Climax*. 5 ft. One of the best and showiest, with pyramidal spikes of large, light lavender-blue flowers, with gold centers, very free blooming. Oct. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

*White Lady*. 5 ft. October. Pure white. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

*Mrs. Raynor*. 3½ ft. October. A very showy variety almost crimson in color and literally covered with large semi-double blooms. Heavy foliage and full branching. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

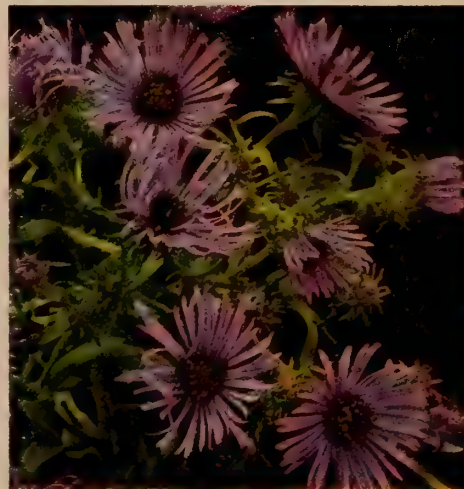
*Elta*. 3 ft. The clear lavender flowers are borne in clusters on dark green glossy stems. Semi-double. Does not wilt after cutting. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

*October Dawn*. 2-3 ft. Sept.-Oct. Large lilac-mauve flowers. Compact grower. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

*Queen Mary*. 3 ft. The finest blue fall Aster. Its flowers are large, often 2½ inches across, and of a very pleasing blue. The heads are branching. Will thrive in any ordinary soil in sun. Flowers in October. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

*St. Egin*. 3 ft. Sept.-Oct. Densely branched with showy pale pink flowers in profusion. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

*Sunset*. 3-4 ft. Bushy growth completely covered with soft rose-pink flowers in late September. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.



ASTER Perennial Large Flowering Mixed



# Campanulas of All Types

A large, beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens. The Persicifolia varieties are good perennial plants. Pyramidalis is a tall-growing species, continuing to bloom six weeks or more.

7260 *×Carpatica* (Harebell). 9 in. June to Aug. Forms tufts of neat foliage above which are borne on slender erect stems, about 12 in. high, wide, cup shaped, upright blooms of a glistening light violet-blue, freely produced. Splendid for edging, dry walls and when grouped. It also does well in partial shade. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7265 *×Alba*. 9 in. July. Pure white. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.



CAMPANULA *Calycanthema* (Cup and Saucer) Mixed

7270 *Calycanthema* (Cup and Saucer). Mixed colors. 2 ft. June-Aug. 10c per pkt.

7275 —White. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7280 Pink. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7285 —Blue. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7284 —Lilac. Seeds, 10c per pkt.

7295 Single White. (Canterbury Bell). 2 ft. June. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7300 Single Blue. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7301 Single Lilac. Seeds, 15c per pkt.

7305 Single Pink. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7310 Mixed Colors. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7315 Double White. 7320 Double Blue.

7325 Double Pink. 7330 Double Mixed.

Each of the above, per pkt., 10c.

7335 *Lactiflora* *Coerulea*. Broad-leaved. 2½-3 ft. July. Light blue. Seeds, 15c per pkt.



DAISY Shasta Alaska

7338 *Latifolia* *Macrantha*. 3 ft. Erect stems, large bells, violet-blue. Seeds, 15c per pkt.

7344 *Persicifolia* (Peach Bells). Blue. 2-3 ft. June-July. Fine border plant. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7345 —Alba. White. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7346 —Telham Beauty. 4 ft. It produces on long stems very large globular open flowers, of a lovely china-blue with silvery shading. Seeds, 50c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7350 —Mixed. Blue and white. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7351 —*Coerulea* *Plena*. Double blue peach bells. Height, 30 in. Seeds, 35c per pkt.

7352 —Alba *Plena*. Double white. Pkt., 35c.

7334 *×Fragilis*. Is of prostrate trailing habit and has large pale blue flowers. It likes a well drained position with as little moisture as possible. Not hardy. Seeds, 25c per pkt.

*×Portenschlagiana*. 8 in. Purple-blue. June, continuing all summer. Valuable rock species. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7340 *×Pusilla*. Light blue bells, very free blooming. 4 in. July. Pkt., 25c.

7341 *×Alba*. Same as above, but pure white. Pkt., 25c.

7355 *Pyramidalis* (Chimney Bellflower). Blue. 5-6 ft. August. Seeds, 10c per pkt.

7360 —Alba. Seeds, 15c per pkt.

7365 —Mixed. Seeds, 10c per pkt.

7361 *×Turbinata*. 6 in. A beautiful variety, forms close mats of foliage and bears large cup-shaped flowers of blue, sitting close to the plant and fairly smothering it. June-July. Seeds, 20c per pkt.

7362 *×Alba*. Same as above with white flowers. Seeds, 15c per pkt.

7366 *×Rotundifolia* (Blue Bells of Scotland). 6-12 in. Matted foliage, slender, branching stems, covered with dainty frail blue flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7371 *×Olympica*. 8 in. July-Aug. The flowers are of a beautiful deep lavender-blue on dwarf compact plants. Seeds, 35c per pkt.

7367 *Trachelium*. (Coventry Bells.) 2-3 ft. Crowded heads of lavender-blue. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. Two year clumps, 3 for \$1.00; doz., \$2.50; 100, \$15.00.

## Shasta Daisies

Fine hardy border plants, large, daisy-like flowers being produced in great profusion all summer.

7500 Alaska. 2-2½ ft. Splendid for cutting. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

Shasta Alaska "Supreme". 2 ft. White. A large flowered, stout stemmed variety, superior to the ordinary variety. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7501 Westralia. A very fine Shasta Daisy similar to Alaska only of higher growth and blooming slightly earlier. Height 3 ft. Pkt. 15c.

## DIGITALIS (Foxglove)

These produce spires of blossoms 3 to 5 ft. high. Stately old garden favorites for garden, shrubbery borders and naturalizing in suitable places.

7751 *Canariensis*. Canary yellow. Pkt., 25c.

7750 *Grandiflora*. 2 to 3 ft. June-July. Yellowish flowers marked with brown. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7730 *Gloxiniaeflora*. White. Flowers shaped and spotted like a gloxinia. 2-4 ft. June-July. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7735 —Pink. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7736 —Isabellina. 5 ft. A very striking variety, producing yellow flowers which gradually develop a chamois or buff shade. Pkt., 25c.

7740 —Purple. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7745 —Mixed Colors. Seeds, 10c per pkt.

7755 *Maculata* *Iveryana*. Splendid spotted. Seeds, 10c per pkt.

7760 *Monstrosa* Mixed. Long spikes surmounted by one enormous flower. Seeds, 10c per pkt.

7765 *Purpurea* Mixed. Many colors. Pkt., 10c.

7768 The Shirley Hybrids. 6 to 7 ft. The flower heads are over 3 ft. long, covered with big bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7769 *Hybrida* *Lutzii*. 4 ft. Salmon shades. Pkt., 20c.

7775 VAUGHAN'S SPECIAL MIXTURE of Digitalis. The above, and other colors. Pkt. 15c.



CAMPANULA (Canterbury Bell) Single

7370 VAUGHAN'S SPECIAL MIXTURE of Campanula. A grand assortment of all varieties. Fine for cut flowers. Seeds, ¼ oz., 50c; 25c per pkt.



## COREOPSIS (Tickseed)

7495 *Lanceolata* *Grandiflora*. 2 ft. June-October. Large orange-yellow flowers on long graceful stems. About the best yellow cut flower blooming incessantly. One of the perennials which will flower the first year if sown early. Seeds, ¼ oz., 25c; 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

See also Novelties.



DIGITALIS Vaughan's Special Mixture



# Delphiniums of Famous Strains



DELPHINIUM Blackmore and Langdon Strain

## DELPHINIUM (Perennial Larkspur)

Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 ft.; for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. They thrive in almost any situation. A good, deep, rich soil will repay with larger and better flowers. Remove the flower before the seed pods form and they will flower later in season. The Butterfly Delphiniums are forms of Delphinium Chinese, height 2-3 ft.

- 7510 **Blue Butterfly.** 16 in. Deepest blue. Pkt., 15c.
- 7515 **Lavender Butterfly.** Pale blue. Pkt., 15c.
- 7516 **White Butterfly.** Pure white with sulphury buds. Seeds, 15c per pkt.
- 7517 **Cardinale.** "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.
- 7520 **Chinese Blue.** 2-3 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- 7525 —**Album.** 2-3 ft. Pure white. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two-year clumps, 3 for \$1.00; doz., \$3.50.
- 7526 —**Tom Thumb Ultramarine.** 1 ft. A pretty dwarf species, with beautiful flowers in open panicles in ultramarine blue. Seeds, 25c per pkt.
- 7521 —**Azure Fairy.** 18 in. Azure blue. Pkt., 20c.
- 7530 —**Mixed.** Seeds, 10c per pkt.
- 7535 **Elatum Hybridum, Single Mixed.** 3 to 4 ft. June-August. Seeds, 10c per pkt.
- 7540 —**Double Mixed.** 3 ft. Seeds, 15c per pkt.

- 7541 **Summer Cloud.** The flowers are pure white and come true from seed. Seeds, 50 seeds, 50c. Plants, 3 for \$1.40; doz., \$4.50.
- 7545 **Formosum.** 3 ft. June-July. Deep blue, white eye, open spike. Seeds, Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- 7550 **Belladonna Improved Cliveden Beauty.** 2 ft. June-July. Flowers exquisite shade of turquoise blue. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- 7551 **Bellamosum.** 3 ft. This is a dark form of the light blue Belladonna with intensely rich, deep blue flowers. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- 7555 **Indigo (True Blue).** 3 ft. Pure indigo-blue, comes true from seed. Seeds, 35c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00. Two-year clumps, 3 for \$1.25; doz., \$4.00; 100, \$30.00.
- 7560 **Nudicaule.** 1-1½ ft. April-July. Dwarf brilliant scarlet flowers. Seed very slow of germination. Seeds, 25c per pkt.
- 7561 —**Lemon Gem.** Clear yellow self. Pkt., 25c.
- 7563 —**Chamois.** Seeds, 35c per pkt.
- 7565 **Zalil.** 3 ft. June-July. Sulphur yellow. Seed germinates very slowly. Seeds, 25c per pkt.

7564 **Blackmore and Langdon Strain.** All the clear shades of blue with many opaline variations, with bees of contrasting colors. Seeds, 50c per pkt.; ½ oz., \$1.25. Plants, 3 for \$1.25; doz., \$4.00; 100, \$25.00.

7570 **Vaughan's Gold Medal Hybrids.** This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Seeds, 25c per pkt.; ½ oz., 75c. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

### 7569 Wrexham Hollyhock-flowered Strain.

New giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, many of them 1½ to 2 inches in diameter. Named "Hollyhock" for the height and immense blooms characteristic to this variety. A fair proportion are double and the coloring is superb. Seeds, 50c per pkt. Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00.

7569A **Wrexham, Deep Blue Shades.** Pkt., 50c

7569B —**Light Blue Shades.** Seed, 50c per pkt.

7569C —**Mid Blue Shades.** Seed, 50c per pkt.

### CHOICE SELECTED PLANTS

We select outstanding specimen plants when our fields of Wrexham Delphinium are in full bloom. They are all magnificent true double or semi-double types with bees of contrasting colors. We offer them in light blue or dark blue at 75c each; \$7.50 dozen.

7571 **DELPHINIUM VAUGHAN'S SPECIAL MIXTURE.** This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the various kinds and will supply a wonderful array of bloom in the garden all summer long. Seeds, 35c per pkt.

## EUPATORIUM (Thorough Wort)

Strong growing border plants, suitable for cutting; they bear minute flowers in dense heads; ordinary garden soil suits them. Eupatorium Ageratoides (White Snakeroot) is a poisonous weed, causes "Milk Sickness" and we dropped it from our list.

- 7800 **Fraseri.** 2 ft. Pure white ageratum-like flowers; does well in shade. Seeds, 10c per pkt.
- 7805 **Purpureum (Joe Pye Weed).** 6-7 ft. July-Sept. Pink flower, purple stalked. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7804 **Coelestinum (Mist Flower or Hardy Ageratum).** 2 ft. Sept.-Oct. Light blue. An excellent cut flower. Seeds, pkt., 25c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## GAILLARDIA (Blanket Flower)

June to October. 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil. One of the perennials which will flower the first year if sown early.

- 7810 **Grandiflora. Mixed.** Composite flowers, variegated with shades of red and yellow. Pkt., 10c. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.
- 7815 —**Semi-plena.** Double row of petals, yellow with red center. Seeds, 10c per pkt.
- 7811 —**Dazzler.** Large golden yellow flowers with rich maroon center. Seeds, 25c per pkt.
- 7820 —**Compacta.** 1 1/3 ft. Dwarf plants with varied colored flowers well above the foliage. Seeds, 10c per pkt.
- 7825 **Kermesina Splendens.** Center crimson, canary-yellow border. Seeds, 10c per pkt.
- 7836 **Portola Hybrids.** 2½ to 3 ft. The stems are strong, and stiff. The flowers are nearly 4 in. in diameter, the petals being very broad and overlapping, of great substance; in color a brilliant scarlet with coppery hue which is intensified by the golden yellow with which each petal is heavily tipped. Pkt., 25c.
- 7829 **Sibylla.** Flowers large, vivid carmine, tipped white, with dark crimson center. Pkt., 25c.
- 7826 **Stand-Holder.** Large flowers, more or less yellow bordered, and with lighter or darker red wings around the center. The petals are broad but occasionally tubular with an inclination to doubleness. Blooms early on long stiff stems. Pkt., 25c.
- 7827 **Maxima.** Very fine gold and yellow flowers. Pkt., 20c.
- 7831 **Tangerine.** Compact grower. Large tangerine orange colored flowers. An absolutely distinct color. Seeds, 25c per pkt.
- 7835 **New Hybrids.** Very large flowers, in a great variety of colors. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



## ERIGERON (Flea Bane)

Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting.

- Amos Perry. (New).** 2 ft. Fine compact plant with large double blue daisy-like flowers. A fine cut flower, blooming all summer. Needs covering over winter. Plants, 3 for \$1.50; doz., \$5.00.
- 7796 **Speciosus Hybridus Grandiflorus.** Large flowers rich purple. 24 in. June. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 7797 **Elatior.** Rosy, 24 in. May-June. Pkt., 20c.



EUPATORIUM Fraseri and Coelestinum

Varieties marked X are suitable for Rock Gardens



GAILLARDIA Dazzler



## GYPSOPHILA

Graceful border and rock plants with small flowers on light stems. Greatly prized for cutting. Do not disturb after once established.

7864 *Acutifolia*. 3 ft. Pretty, useful species, flowers pale pink. Seeds, 15c per pkt.

7860 *Paniculata Double Snow White*. A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. 2-3 ft. July-August. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. Seeds, 25c per pkt.

7865 *(Baby's Breath)*. 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

*Bristol Fairy*. New. Early double pure white large flowering perennial Baby's Breath. It is a new form, blooming much earlier than paniculata fl. pl. and producing a second crop of spikes after the first have been cut. (See illustration.) Plants, 65c each; 3 for \$1.50; doz., \$5.00.

7861 *Manginii*. Tall perennial variety with rosy-white flowers. Pkt., 15c.

7862 *XRepens*. Dwarf white Baby's Breath. Splendid in rockery. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7863 *X-Rosea*. 6 in. Attractive dwarf pink or rose variety. Seeds, 15c per pkt.

## HEUCHERA (Coralbells)

Belong to Saxifrage order. They have roundish or heart-shaped leaves, a thick woody root stock and bear their dainty flowers in graceful panicles or racemes.

7941 *XBrizoides Gracillima*. May-June. Bright, flesh-pink. 2 ft. Pkt., 25c. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7940 *Sanguinea*. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7942 *Maxima*. Large flowered, deep crimson. Seeds, 35c per pkt.

7943 *Hybrida Grandiflora*. Large flowered hybrids, very fine. Seeds, 35c per pkt.

*New Hybrids*. All shades of red and coral pink. This is a mixture which is highly spoken of because of its fine coloring, large flowers and free flowering of the plants. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

## HIBISCUS (Rose Mallow) 3 to 5 Feet

Noble, shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Aug.-Sept.

7945 *Crimson Eye*. Creamy white flowers, large crimson center. Seeds, 10c per pkt.

7950 *Golden Bowl*. Deep cream, with a velvety maroon center. Seeds, 10c per pkt.

7960 *Mallow Marvels Mixed*. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7965 *Red*. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7966 *Pink*. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

*White*. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## HOLLYHOCK 6 to 8 ft.

One of the best hardy garden flowers. Makes a charming background for a garden. Aug.-Sept.

## Double Varieties

7970 White. 7995 Crimson.

7992 Yellow. 8000 Blood-Red.

7990 Salmon. 7975 Maroon.

7980 Rose. 7985 Black.

8005 Newport Pink. The finest pure pink, exquisite shade.

Seeds, 15c per pkt.

Each color except as noted.

Seeds, 10c per pkt.

Plants, of the above colors, 3 for 85c; doz., \$2.50; 100, \$15.00.

8015 *Vaughan's Prize Double Mixture*. Finest shades in perfect flowers. Seeds, 10c per pkt.; ¼ oz., 40c.

Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8010 *Allegheny Mixed*. Flowers come single, semi-double and double, about 5 inches across, and are beautifully fringed.

Seeds, 10c per pkt.

8006 *Alameda Pink*. The foliage is deep green and thick and large and is quite distinct from other varieties of hollyhock. The blossoms are very large, 4½ inches across. Blooms first year if sown early. Seeds, pkt., 25c.

7969 *Double Exquisite*. Mixed. New large flowers, with fringed, white margined petals. Pkt., 25c.



GYPSOPHILA *Paniculata*, *Bristol Fairy*

Varieties marked X  
are suitable for Rock Gardens



HEUCHERA *Hybrida Grandiflora*

## POPULAR HARDY PERENNIALS. By T. W. Sanders. Revised by A. J. MacSelf.

Their cultivation in beds, borders, the wild and woodland garden and by the waterside; and also their propagation. With descriptions of the most attractive, useful and easily grown genera, species and varieties. Profusely illustrated in color and half-tone. 402 pages. Cloth, \$3.15.



HIBISCUS *Mallow Marvels Mixed*



HOLLYHOCK *Vaughan's Prize Double Mixture*

## HOLLYHOCK—Continued

7971 *Kew Garden Pink*. Satiny pink, 6 to 7 in., broad guard petals tufted center. Pkt., 25c.

8004 *Lilac Beauty Double*. A clear bright lilac color. A new shade. Seeds, pkt., 25c.

8003 *Queen of Sheba Double*. Beautiful primrose, buff with rosy reflection. Seeds, pkt., 25c.

8008 *Double Imperator Improved*. Large frilled and fringed flowers of new colors. Pkt., 25c.

## Single Varieties

More permanent and hardy than the double and if planted with a deep green background, such as arbor vitae hedge, they afford a most striking effect.

8045 White. 8040 Rose.

8051 Yellow. 8020 Red.

8050 Salmon. 8030 Black.

8025 Pink.

Each, Seeds, 10c per pkt.

8055 Mixed. Seeds, ¼ oz., 30c; 10c per pkt.

## LILIUM (Lily)

Lilies are easily grown from seed and very interesting in all stages of growth. If sown early in the house the L. Philippinense blooms the first year. The others usually the second year. Leaflet on culture supplied.

8159 *Gloriosum*. The colors range from pure white with yellow center through rich ivory and cream tints to deep sulphur. In some cases the unopened buds are a rich and attractive rose pink. Pkt. (50 seeds), 65c.

8160 *Mrs. Backhouse Hybrids*.

The most vigorous, hardy lily of rare beauty. Growing 5-6 feet high, the benefit of its very free-flowering habit is increased by the rare colors and shades. The flowers come in purple, straw-yellow, orange, buff and many lovely combinations with contrasting marbled or dotted effect. This race represents the highest development of Lily culture. Pkt. (50 seeds), 40c.

8161 *Philippinense Formosanum*. 2 ft. It bears on slender leafy stem one long white trumpet shaped flower slightly marked externally reddish brown with reflexing petals. Blooms from seed the first year if sown early. Pkt. (250 seeds), 35c.

8162 *Regale*. 3½ ft. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Pkt. (250 seeds), 15c.

8163 *Tenuifolium (Coral Lily of Siberia)*. It is a gem, perfectly hardy. One of the earliest to flower. 24 in. high with the flowers up and down on the stem. Blooms are deep scarlet and have recurved petals of waxy texture. Pkt. (150 seeds), 25c.

8164 *Willmottiae*. 4 ft. Flowers vivid orange-red, the recurved petals being spotted with brown, the slender foliage of a rich brown. Pkt. (40 seeds), 35c.



8162 LILIUM *Regale*. Pkt., 15c



8163 LILIUM *Tenuifolium*. Pkt., 25c





POPPY Oriental Hybrids



POPPY Nudicaule Sunbeams Mixed



PHYSALIS FRANCHETTI

8345 **Chinese Lantern Plant.** 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns, useful in winter bouquets. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

## Versatile Poppy Family

### PAPAVER (Poppy)

8269 **Alpine Mixed.** 6 in. A charming miniature poppy with brilliantly colored flowers including white, pink, apricot, yellow or orange-scarlet, etc. Useful for rockwork. Seeds, 35c per pkt.

### Nudicaule (Iceland Poppy)

The plant is of neat habit, forming a tuft of bright green, fern-like foliage from which spring throughout the entire season a profusion of slender, leafless stems, 1 foot high, each graced with charming cup-shaped flowers. Flower first year.

8275 **Yellow.** 8271 **Flesh.**  
8282 **White.** 8270 **Mixed.**  
8280 **Orange.**

Each of above Nudicaule varieties: Seeds, per pkt., 10c. Plants of above Nudicaule varieties, 3 for 65c; doz., \$2.00; 100, \$12.00.

8288 **Gibson's New Giant Orange.** Pkt., 20c.

8290 **Double Mixed.** Extra fine strain. Pkt., 15c.

8286 **Sunbeams.** Mixed. This is the result of a cross between the Shirley and Nudicaule types.

The flowers are charming shades of orange, salmon, maize and other tints. Pkt., 25c.

8283 **Deep Yellow.** A large flowered and strong-growing strain, 15 to 18 inches. Pkt., 15c.

8284 **Orange.** Seeds, per pkt., 15c.

8285 **White.** Seeds, per pkt., 15c.

### Oriente (Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. The named varieties do not come true from seed. 3 ft. May-June.

8300 **Annual.** A new strain which bloom the first year, if sown early. Pkt., 25c.

8310 **Red.** Very striking color. Pkt., 10c.

8307 **Beauty of Livermere.** Dark ox-blood. Pkt., 25c.

8311 **Carneum.** Light and dark salmon pink shades (70% true). Seeds, 25c per pkt.,

8306 **Perry's White.** 2½ ft. Large, handsome, satiny white flowers with purple-black blotch at base of each petal. Seeds, 25c per pkt.



LUPINUS Polyphyllus Vaughan's Special Mixture

**Oriental Olympia.** Double, rich scarlet. A striking new introduction. Very free blooming. Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00.

8308 **Mahoney.** Maroon, shaded, crimson. Seeds, 15c per pkt.

8309 **Mrs. Perry.** Delicate salmon-rose with black blotches. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Royal Scarlet.** Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8312 **The Feltham.** A strain lacking the usual black blotches at base of petals. It has scarlet, orange-scarlet, apricot, etc., but without the dark base. Seeds, 25c per pkt.

8305 **Princess Victoria Louise.** Large flower, soft lilac-rose color. Seeds, 15c per pkt.

8315 **Oriental Hybrids.** Mixed. Pkt., 10c.

8315A **Pilosum.** 2 ft. The apricot-orange flower is most attractive. One of the easiest perennials to grow. Seed sown in August will bloom in Spring. A stunning combination planted with Tulip Bouton d'Or or Miss Willmott and Phlox Divaricata. Seeds, 15c per pkt.

### LUPINUS (Polyphyllus) 2½ to 3 ft.

Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom. Do not disturb plants after they are once established. June-Sept. They require soil that is free from lime.

8170 **Albus.** Large, pure white spikes. 2-3 ft. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8167 **Arms of Enkhuizen.** Dainty white flowers suffused with creamy pink. Seeds, 25c per pkt.

8165 **Blue.** 3 ft. Stately spikes of blue. Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8166 **Chocolate Soldier.** Yellow, to chocolate. Pkt., 15c.

8168 **C. M. Prichard.** Pale salmon-orange with yellow. Pkt., 15c.

8176 **Lavender Queen.** Lavender tinted pink blossoms. Seeds, 25c per pkt.

8169 **Luteus.** Yellow shades. Pkt., 15c.

8177 **Princess Juliana.** Lovely pink. Pkt., 25c.

8175 **Roseus.** 4 ft. Light and dark rose flowers on long stems. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8178 **Sunshine.** Clear yellow. Pkt., 25c.

8174 **Downer's Hybrids.** Perpetual flowering new hybrids. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8173 **Harkness' Regal Mixture.** A mixture of charming new colors, in which rose, buff, flesh and salmon shades predominate. Pkt., 25c.

8179 **VAUGHAN'S SPECIAL MIXTURE.** This is a choice mixture of the best English and other European strains including recent novelties. Pkt., 25c.

8180 **Mixed.** Splendid value. Pkt., 10c. Plants, any of above Lupinus strong 1 year roots 3 for 85c; doz., \$2.50; 100, \$15.00.

### PHYSOSTEGIA (False Dragon Head)

3-4 ft. Extremely beautiful with spikes of rosy pink, lilac or white flowers, which are similar to a tiny antirrhinum blossom. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage. Flowers in August.

8350 **Virginica.** Dense bushes with spikes of delicate lavender pink tubular flowers. June-September. Seeds, 10c per pkt.

8355 **Alba.** White. June-Sept. Seeds, 10c per pkt.

8356 **Gigantea.** Lilac-rose. Seeds, 25c per pkt.

8357 **Compacta Rosea.** Rose. Pkt., 25c.



PHYSOSTEGIA Vivid

### PHYSOSTEGIA

**Grandiflora "Vivid."** 20 in. One of the best of the late-blooming perennials. It blooms three weeks later than the other Physostegias; the individual flowers are larger and of a deeper, much more vivid pink, and they last a long time when cut. Thrives in almost any fairly sunny location and should be in every garden. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



PLATYCODON Grandiflorum. See Page 72





PYRETHRUM Roseum Hybridum Grandiflorum

### PYRETHRUM ROSEUM (Painted Daisy)

Charming color, and lasting as a cut flower; flowers in May and June, and frequently in August and September; in all shades of rose and pink. 1-2 ft.

8430 Double Mixed. Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single. Seeds, Pkt., 35c.

8437 Comet Flowered Ostrich Feather. Single and semi-double flowers with rolled and twisted petals. Pkt., 25c.

8440 Grandiflorum, Single Mixed. Pkt., 15c.

8441 Album. White.

8442 Carneum. Flesh.

8443 Roseum. Rose.

Each of the above 3 colors, pkt., 15c.

8436 James Kelway. Rich velvety blood red. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8444 Atro-sanguineum. Blood-red. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8435 Single Mixed. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8429 Parmiciflorum. 6 in. Silvery white, feathery foliage, for pots, beds and rockeries. Pkt., 35c.

8439 Uliginosum. 4 ft. Large giant daisy-like white flowers, in great profusion in fall. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

### PLATYCODON (Chinese Bell Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons; they flower from June to Sept.

8360 Grandiflorum. 2-3 ft. Large, handsome, deep blue flowers. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. Two year clumps, 3 for 85c; doz., \$2.50; 100, \$15.00.

8365 Album. White. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8366 Early Flowering Blue. Seeds, 15c per pkt.

8367 Early Flowering White. Seeds, 15c per pkt.

8370 X Mariessii Blue. 1 ft. Deep blue flowers, dwarf. Seeds, 10c per pkt.

8375 X Alba. White. Seeds, 10c per pkt.



STOKESIA Cyanea

## Richly Varied Sweet Williams

### SWEET WILLIAM (Dianthus Barbatus)

Sweet Williams look well in solid beds of masses and require a good, rich, well manured soil to grow them to perfection. Excellent border plants and fine for cut flowers. Plants grow 18 to 24 in. high.

7640 Copper Red. A new and rich color. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7645 Diadematus. One of the prettiest; flowers rose, spotted and sprinkled with white. Pkt., 10c.

7650 Johnson's Giant. The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7655 Nigrescens. Almost black. Seeds, 10c per pkt.

7660 Pink Beauty (Newport Pink). Pkt., 10c. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7661 Purple Beauty. Bright deep purple. Seeds, 25c per pkt.

7635 Scarlet Beauty. A charming and distinct color. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7665 Single Albus. White. Seeds, 10c per pkt.

7670 Atro-sanguineus. Blood-red. Seeds, 10c per pkt.

7675 Roseus. Pink. Seeds, 10c per pkt.

7676 Turkey Red. Seeds, 10c per pkt.

7685 Giant-Flowered Mixed. Pkt., 10c.

7686 Dwarf Mixed. Seeds, 10c per pkt.



SWEET WILLIAM Vaughan's Special Mixture

### Double Varieties

Seedlings of all double Sweet William produce about 40% of single blooming plants.

7690 White. 7703 Nigrescens (Black).

7695 Rose. 7705 Mixed.

7700 Blood-Red.

Seeds, each of above, pkt. 10c.

7710 Double Giant-Flowered Mixed. Pkt., 15c.

7715 VAUGHAN'S SPECIAL MIXTURE, Sweet William. A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

### STOKESIA (Stokes' Aster)

Very handsome perennials with flowers that appear to be between a single aster and a corn-flower.

8525 Cyanea. 18 in. July-Oct. Flowers rich blue, very distinct. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8526 Alba. White. Pkt., 15c.

8535 Mixed. Blue and white. Seeds, 15c per pkt.



THALICTRUM

### THALICTRUM (Meadow Rue)

The foliage is very finely divided like that of the Maiden-hair fern or Columbine and is useful in making bouquets. The flowers are borne in feathery clusters. Easy of cultivation.

8540 X Adiantifolium. 9 in. June-July. Light plumes of small whitish flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8541 Aquilegifolium. Feathered Columbine. Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 15c. Plants, 3 for 85c; doz., \$2.50.

8545 Dipterocarpum. 4 to 5 ft. Aug-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8546 Flavum. Common yellow variety. 2-4 ft. Flowers in June. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8547 Glaucum. Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

### TROLLIUS (Globe Flower)

Hardy herbaceous perennials belonging to the Buttercup order. Attractive spring and early summer flowering plants for moist partially shaded borders or for the waterside. Leaves palmately lobed or cut. The flowers are globe shaped yellow or orange in color, useful for cutting. Seed germinates very slowly.

8550 Europaeus. (Golden Ball.) 20 in. Yellow. Seeds, 25c per pkt.

8551 Ledebouri. 2 ft. Orange flowers. Seeds, 50c per pkt. Plants, 3 for \$1.25; doz., \$4.00; 100, \$25.00.

8553 Golden Queen. 3½ ft. Orange flowers. Seeds, 50c per pkt. Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00.

8554 Hybridus Mixed. 20 in. Seeds, 25c per pkt.



TROLLIUS

Varieties marked X  
are suitable for Rock Gardens



# Perennial Flower Seeds and Plants

Note—All Plants are F. O. B. our Greenhouse, Western Springs, Illinois. Postage must be added or they will be sent express at buyer's expense.

## Plants Marked X Suitable for Rock Garden

We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of midsummer and the seedlings have an opportunity to develop into sturdy little plants by fall which permits them to winter-over more successfully. Make a seed bed where the amount of light and water can be controlled. Transplant when large enough to rows in the garden and in the fall

reset in permanent location where they are to flower the following year. The majority of these perennials bloom the second year from seed although some like Coreopsis and Gaillardia, if sown early, bloom the first year. Some perennials are very slow and uneven of germination. Seed may lie in ground a year. Perennials should be placed in clumps of three or five and left undisturbed for several years.



ACHILLEA, The Pearl

## ACAENA X 2 in.

Dwarf, hardy perennial with inconspicuous green flowers in summer. Cultivated in rockeries for their showy crimson spines, which are borne on the calyx. 7002 *Glaucia*. Silvery blue foliage. Seeds, 25c per pkt. 7003 *Microphylla*. Leaves small, a neat evergreen with a compact and cushion-like growth. Seeds, 25c per pkt.

## ACANTHUS

7000 *Latifolius*. 3 ft. August. Handsome plant, broad deeply cut leaves; beautiful for solitary plants in lawn or for grouping with other plants. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## ACHILLEA (Milfoil. Yarrow)

Achilleas are of easy culture and grow in any good garden soil, but preferring sun. They are useful for the border, and for cutting flowers in summer.

7007 X *Ageratum*. 1 to 2 ft. With Ageratum-like leaves. A pretty alpine of compact habit. Yellow, sweet-scented. Seeds, 15c per pkt.

Crimson Beauty. 2 ft. A great improvement over Milfoilium Kelwayi. Dark rose, free flowering. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7008 *Parker's Variety*. 2½ to 3 ft. June-Sept. Clear yellow flower-heads. Seeds, 15c per pkt.

7009 *Millefolium Kelwayi*. 2 ft. Carmine rose. Seeds, 35c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7011 *Ruber*. 2 ft. Magenta red. Pkt., 25c.

7010 *Parmica*, Fl. Pl. The Pearl. 2 ft. June to August. Pure white, double flowers, fine for cutting. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7012 *Perry's White*. 2 ft. An improvement on "The Pearl," flowers larger and more completely double. For cutting purposes there is no white flower equal to it. Seeds, 25c per pkt.

Boule de Nieve (Ball of Snow). 2 ft. June-Sept. White. Fine cut flower variety. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7013 X *Tomentosa Aurea*. 8-10 in. A wooly carpet-like plant for rockeries. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

## ACONITUM (Monkshood)

Bold spikes of hood-shaped flowers, valuable for cutting. Seed germinates very slowly. Do not plant near vegetable gardens. Roots are poisonous.

7015 *Fischeri*. 2 ft. September. Dwarf variety with pale blue flowers. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

Spark's Variety. 2½-3 ft. July-August. Darkest blue of all. Plants, 3 for \$1.00; doz., \$3.50.

7020 *Napellus*. 2½ ft. July-August. Fine rich blue flowers. Seeds, 10c per pkt.

7025 *Wilsoni*. 4-6 ft. September. Clear blue hooded flowers. Excellent for cutting. Pkt., 15c.

## Order Plants

by name and on the separate order sheet provided for them. Give quantities desired in plain figures and write only one kind on each line.

## Prices of Plants

The time involved in assembling long lists of plants when ordered one of a kind, compels us to charge proportionately higher for single plants; on the other hand we make the price of twelve and three-of-a-kind so attractive that it should induce our customers to buy at least three-of-a-kind.

## Relative Prices Are as follows:

		3 supplied for	Each
Plants priced at	\$2.00	.....	\$0.65
	2.50	.....	.85
	3.50	.....	1.00
	4.00	.....	1.25
	4.50	.....	1.35
	5.00	.....	1.50
		per dozen..	.65

25 plants of a variety at the 100 rate where listed by the hundred.

## Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

## Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

## Order for Seeds

The numbers in left-hand column indicate varieties of which we offer seed. The number is a sufficient designation and more acceptable to us than the name when ordering seeds. Where no number appears, we offer plants only. In many cases we offer both seeds and plants.

## ADLUMIA (Alleghany Vine)

7030 *Cirrhusa*. 15 ft. June. The feathery foliage is like the Maiden-hair Fern. Delicate rose pink and white flowers cover the plant. It is a biennial, but in favorable spots will self sow. Seeds, 10c per pkt.

## ADONIS

7035 *Vernalis*. 18 in. Large bright yellow flowers with elegant foliage. Blooms in April-May. Seed germinates very slowly. Seeds, 10c per pkt.

## AETHIONEMA

Dwarf shrubs for hardy herbaceous border or rockery, allied to the Iberis or Candytuft.

7037 *Cordifolium*. 6-8 in. June. Flowers rosy-lilac, small, in terminal dense rounded racemes. Seeds, 25c per pkt.

7038 *Grandiflorum*. May to Aug. Flowers warm shaded rose in crowded racemes. Seeds, 25c per pkt.

## AGATHEA

7040 *Coelestis* (Blue Daisy). 1½ ft. June. Flowers sky-blue with yellow disk. Useful in the border, for bedding and as a pot plant; not hardy. Pkt., 10c.

## AGROSTEMMA

7045 X *Coronaria Varieties Mixed*. 1 to 2 ft. Attractive free flowering, producing bright-colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. June-September. Seeds, 10c per pkt.

7048 X *Coronaria Atrosanguinea*. Blood-red. Seeds, 10c per pkt.

7049 *Hybrida Walkeri*. Brilliant rosy-crimson flowers. June to Aug. Seeds, 10c per pkt.

7050 *Flos Jovis*. 1 ft. Rosy purple flowers in summer. Seeds, 10c per pkt.

## AJUGA (Bugleweed)

A useful plant for the rockery and for carpeting the ground, particularly in shady positions, as under trees where grass will not grow.

X *Reptans*. 3 to 4 in. May-June. Brilliant bronzy-purple foliage and blue flowers. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.



ACONITUM (Monkshood)

## ALLIUM

7051 *Pulchellum*. 1 1/3 ft. The few pale green leaves are linear and flop about with a limp and easy grace, beneath the erect flowering stems which yield in full summer clusters of rosy-violet blooms. Seeds, 25c per pkt.

## ALSTROEMERIA

Belongs to Amaryllis order. Narrow lance-shaped leaves and richly colored flowers borne in terminal umbels on long wiry stems in summer and fall. Flowers last a week or ten days in water. Seed germinates slowly. They require some protection during winter.

7052 *Aurantiaca*. Flowers orange color streaked with red. Quite hardy. Seeds, 25c per pkt.

7053 *Pulchra*. Known as St. Martin's Flower. Flowers purplish on outside, edges sulphur-white, with fine yellow upper segments dotted with deep red spots. Seeds, 25c per pkt.

## ALYSSUM (Madwort)

Showy free flowering spring-blooming plants. Valuable for front row in border or rock garden.

7054 X *Argentum*. 1 ft. Dwarf, dense grower, yellow flowers, in bloom all summer, leaves silvery underneath. Seeds, 10c per pkt.

7055 X *Saxatile Compactum* (Basket of Gold). 9 in. May-June. Producing masses of golden flowers very early. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7056 X *Compactum Sulphureum*. Pale lemon-colored flowers. Seeds, 15c per pkt.

7058 *Rostratum*. 20 inches. Flowers deep yellow in dense heads which fairly cover the plant in summer. Leaves 2 inches long, broad and oblong, pointed and hairy. Seeds, 25c per pkt.

7059 *Serpillifolium* (Thyme leaved). 3-4 in. Flowers pale yellow in simple racemes. April to June. Seeds, 15c per pkt.

## AMPELOPSIS

7060 *Veitchii* (Boston Ivy). Small leaved, self-clinging, hardy vine. Seeds, 10c per pkt.; 50c per oz. For Plants see Hardy Vines, page 95.

## Seed Germinates Slowly and Irregularly

of the following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Acanthus Mollis, Aconitum, Adonis Vernalis, Anemone, Asperula Odorata, Clematis, Delphinium Cardinale, Delphinium Zailii, Delphinium Nudicaule, Dictamnus, Dielytra, Eremurus, Gentiana Acaulis, Helleborus Niger, Incarvillea, Iris, Meconopsis Baileyi, Peony, Phlox Decussata, Primulas, Trollius.



**ARMERIA (Thrift Sea Pink)**

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July, and the plants are suitable for edgings to borders.

7205 *× Alpina*. Deep rose flowers in July. Pkt., 10c.

7210 *× Formosa*. 24 in. Pretty rose-pink. Pkt., 10c.

7211 *× Formosa Hybrida*. 24 in. Shades of pink. Blooms early summer. Seeds, 15c per pkt.

7218 *× Lauchiana*. 6 in. June-Aug. Crimson flowers. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7219 *× Maritima*. 1 ft. May-June. Silvery pink flowers. Seeds, 15c per pkt.

7217 *Ruby*. 1½ ft. Rich deep rose-colored flower heads. Seeds, 25c per pkt.

**ARNICA**

7215 *× Montana*. 1 ft. Mountain tobacco. Flower heads yellow, 3 or 4 together, about 2 inches diameter, ray florets, numerous. July. Habit tufted. Very handsome but rare plant. Excellent for rockery. Seeds, 15c per pkt.

**ARTEMISIA**

*Lactiflora*. 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of white flowers on stout stems; the whole plant has the appearance of an ornamental flowering shrub. Graceful for bouquets, etc. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

*Silver King*. 3 ft. Is comparatively new in gardens. Its striking gray stems and leaves and rapid branching habit stamp it as unique among foliage plants. The flowers are insignificant, but it makes up for this lack by its slender ghost-like appearance. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.



ARABIS (Rock Cress)

**ASCLEPIAS (Butterfly Weed)**

7220 *Tuberosa*. 2 ft. One of the most showy of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers, with purplish stems and hairy leaves. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**ASPARAGUS**

7221 *Verticillatus* (Hardy Asparagus Vine). 10 to 15 ft. Blooms freely and has abundance of red berries late in summer. Fine to cut and use in bouquets. Perfectly hardy, requiring no protection. Vines die down to ground each year. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**ASPERULA**

Pretty white flowered perennials with square stems, whorled leaves and four-lobed flowers, do best in shade.

7222A *Hexaphylla*. 3 ft. White flowers in a delicate misty spray and may be used with sweet peas and other cut flowers to lighten the effect. Pkt., 15c.

7222 *× Odorata Woodruff* or *Waldmeister*. 6 to 8 in. June. An herb whose leaves are fragrant and are used in making beverages or when dried used to lay among linens. Seed germinates very slowly. Seeds, 10c per pkt.

**ASPHODELINE (Asphodelus)**

7223 *Lutea*. 2 to 4 ft. Ornamental tufts of glaucous blue foliage, terminal spikes of attractive golden yellow flowers, unique for naturalizing. June-July. Seeds, 15c per pkt.

**ASTER (Michaelmas Daisy)**—See page 67.

**AUBRIETIA**

One of the daintiest and most delicately beautiful of all dwarf, creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in. Flowers in April and May.

7231 *× Bougainvillei*. Flowers are light violet purple. Seeds, 25c per pkt.

7231A *Deltoidea*. Light purple. Pkt., 25c.

7231B *—Eyrli*. Fine large blue. Seeds, 25c per pkt.

7232 *× Graeca*. Light blue, dwarf floriferous. Seeds, 25c per pkt.

7233 *× Leichtlinii*. Large-flowered, rosy lilac. Seeds, 25c per pkt.

7233A *Rosea Grandiflora*. Pkt., 25c.

7234 *Whitewell Gem*. Glowing rosy purple with slight tinge of blue. Seeds, 25c per pkt.

7230 *× Large-Flowered Hybrids, Mixed*. A wonderfully fine strain, producing a good range of colors. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**BAPTISIA**

7235 *Australis* (False Indigo). Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves, cut very deeply to form three oval leaflets, and bears its Lupin-like blue flowers in dainty branching spikes in June and July. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**BELLIS PERENNIS FL. PL.****English Daisy**

A low-growing, spring-flowering, semi-hardy perennial. Loves a shady place and will bloom for years if protected over the winters. Illustrated in color on page 39, where seeds are offered.

*× Best Mixed*. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**BIGNONIA**

7237 *Radicans* (Trumpet Vine). A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. Seeds, 15c per pkt. See Hardy climbing vine page for plants.

**BOCCONIA**

7240 *Cordata* (Plume Poppy). 5 ft. Summer. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**× Rock Plants**

ANTHEMIS Perry's Variety



ANCHUSA Dropmore Variety

**ANCHUSA**

Stately and handsome perennials belonging to Forget-me-not family. The leaves are rough and hairy and the drooping flowers are borne in racemes on branching stems.

7070 *Italica, Dropmore Variety*. 5 ft. June-July. Beautiful gentian-blue flowers. Thrives best in partial shade. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7069 *—Lisadell*. 6 ft. Clear gentian-blue large flower. Seeds, 25c per pkt.

7072 *—Opal*. 3-5 ft. June-July. A splendid lustrous light blue. Seeds, 15c per pkt.

7073 *× Myosotidiflora*. 1 ft. A Russian species, bears in April a profusion of pretty pale blue Forget-me-not flowers. Seeds (50 seeds), 35c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**ANEMONE**—See page 67.

**ANTHEMIS (Marguerite)**

Free-flowering perennials with elegantly cut foliage and large daisy-like flowers. Succeeds in poor soil but needs full sun.

7110 *Kelwayi*. 2 ft. Daisy-like lemon-yellow blossoms, produced all summer. Excellent for cutting. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50.

7111 *—Alba*. 3 ft. Hardy white Marguerite. Pkt., 15c.

7113 *× Montana*. 9 in. Silvery tufted foliage with white flowers. April to July. Seeds, 15c per pkt.

7115 *Tinctoria*. 2-3 ft. Bright yellow shading to white. June-Oct. Seeds, 10c per pkt.

*Tinctoria Perry's Variety*. 2 ft. A recent introduction. Large lemon-yellow daisies, in bloom all summer. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**ANTIRRINUM**

7116 *Asarina*. 6 in. July. A free flowering creeping snapdragon for sunny rock gardens. Cream color. Seeds, 25c per pkt.

**AQUILEGIA**—See page 67.

**ARABIS (Rock Cress)**

Charming dwarf spring-flowering plants. They do well in any soil, but need plenty of sun.

7195 *× Alpina*. 1 ft. Pure white flowers. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7197 *× Alpina Rosea*. 8 in. Blooms May. Compact rosettes of foliage and pink flowers. Seeds, 35c per pkt.

7196 *× Alpina Compacta*. 10 in. Compact growing type, white flower. Seeds, 15c per pkt.

7198 *× Alpina Grandiflora Superba*. 1 ft. Large flowered white variety. Pkt., 15c.

**ARENARIA**

These are extremely pretty little alpine plants and will thrive in any ordinary soil in exposed places.

7214 *× Montana*. 4 inches. Grows in close tufts, profusely covered with small silvery white flowers which appear quite early in the season. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**ARISTOLOCHIA**

7200 *Sipho* (Dutchman's Pipe). 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers shape of a Dutchman's pipe, hence its name. Rich soil is the best. Requires protection in winter. Seeds, (10 seeds) 20c per pkt. For Roots, see Hardy Vines page 95.



**BOLTONIA (False Chamomile)**

Bloom at the same time and resemble some of the wild Asters. The leaves are long and grayish and in these characteristics are roughly distinguished from the perennial Asters.

Because of their great height they are highly desirable in large perennial borders as the plants literally bear thousands of star-like flowers. They serve excellently as cut-flowers.

7245 *Asteroides*. 4-6 ft. July-Oct. White. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.  
7250 *Latisquama*. 4-5 ft. July-Oct. Delicate pink. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**BUDDLEIA (Butterfly Bush or Summer Lilac)**

A small shrub bearing exquisite tapering spikes of lilac-mauve flowers; requires same protection as roses during winter. The top usually freezes back, and new growth starts from the root, like other perennials.

7251 *Variabilis Veitchiana*. 3-8 ft. July-Sept. Mauve. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**BUPHTHALMUM**

Shy, hardy, herbaceous, perennials belonging to the lavender order, with Thyme-like flowers, useful for cutting, also for mixed border.

7254 *Cordifolium (Speciosum)*. 3 ft. Heart-shaped, coarsely toothed leaves, very large orange-yellow flowers with brownish center. Flowers in July. Seeds, 15c per pkt.

**CALAMINTHA**

7257 *Alpina*. 6 in. A very graceful little rock plant, spreading tufts of pretty foliage, spangled with lavender blue flowers. Seeds, 35c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**CALLIRHOE**

7256 *Involucrata (Poppy Mallow)*. A showy, trailing, hardy perennial bearing continuously from early summer till fall; large, bright crimson saucer-shaped flowers. Pkt., 15c.

**CARNATION****GRENADIN 1 FT.**

A valuable bedding variety with double flowers blooming first year from seed if sown early.

7385 *Triumph, Rose*. Seeds, 15c per pkt.  
7390 *Dark Velvety Brown*. Seeds, 15c per pkt.  
7395 *Scarlet*. Seeds, 10c per pkt.  
7400 *White*. Seeds, 20c per pkt.  
7401 *Mixed*. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.  
7402 *Dwarf Red*. This is dwarfier than the one offered above and is more suitable for rock work and edging and pot culture. Seeds, 25c per pkt.

**VIENNA DWARF**

They grow evenly about 14 inches tall, are extra double and very large-flowering. The color display is magnificent. Flowering period is at least 14 days earlier than any other Carnations of that class.

7410 *Rose*. Seeds, 15c per pkt.  
7415 *Mixed*. Seeds, 10c per pkt.  
7420 *Double Mixed, Extra Choice*. Pkt., 15c.

CAMPANULA—See page 68.

CANDYTUFT—See Iberis, page 78.

CANTERBURY BELLS—See Campanula Medium page 68.

**CASSIA (American Senna)**

7376 *Marylandica*. 3 to 4 ft. July-August. A bushy growing plant with large panicles of bright yellow, curiously shaped flowers in abundant axillary clusters. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**CATANANCHE (Cupid's Dart)**

Has hoary, lance-shaped leaves, and crisp chaff-like flowers resembling those of the everlastings. Belongs to the Daisy order and is an attractive plant when in flower. Flowers are useful for cutting.

7377 *Coerulea*. 2 ft. Pretty deep blue flower. Blooms in June to Sept. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**CENTAUREA (Hardheads, Knapweed)**

The flower heads are like showy, ragged thistle blooms. They grow 2 to 3½ ft. tall and bloom during summer months.

7379 *Dealbata*. 2 ft. Large and striking rose-pink flowers, feathery foliage. Seeds, 15c per pkt.

7425 *Macrocephala*. The showiest of all, great thistle-like golden yellow flowers on stiff stems. July. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50.

7430 *Montana Blue*. 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual cornflower. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7431 *—Alba*. White. Seeds, 10c per pkt.

**CEPHALARIA**

7433 *Alpina (Giant Scabiosa)*. 5 ft. June and July. Belongs to Teasel order. Flowers yellow on terminal heads somewhat like a Scabiosa. Good for shrubby borders. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**CERASTIUM**

7435 *×Tomentosum (Snow in Summer)*. 4 in. A low, creeping plant with the upper surface of the leaves light in color and woolly; it bears a profusion of pretty white flowers. June and July. Seeds, 15c per pkt., Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

CHINESE LANTERN PLANT—See page 71.

CHIVES—See page 19.

CHIERANTHUS—See page 45.

**CHELONE**

8319 *Barbata Praecox*. These early flowering hybrids grow about 3 to 4 ft. high, with flowers varying in shade from pink to cherry-red, in pretty spikes—a desirable cut flower. Seeds, 15c per pkt.

**CHRYSANthemUM (Hardy Daisy)**

Fine hardy border plants, their large daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well.

*×Arcticum (Arctic Daisy)*. 2 ft. Oct. A very hardy fall flowering perennial forming an attractive clump of glossy green foliage covered with a mass of white flowers, slightly suffused rose or lilac. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7509 *Cascade or Balcony Mixed*. A new form of this plant which instead of growing upright produces drooping spikes a foot or more in length, with flowers about the size of a Climax Aster in delicate shades of pink, rose, yellow and white mixed. Should be grown in hanging basket or in a pot set high to allow the plant to develop to full beauty. Seeds, 50c per pkt.

7450 *Indicum Fl. Pl. Early-Flowering Double Chinese Varieties*. 2 ft. A mixture with some especially fine colors. Seeds, 35c per pkt.

7451 *Indicum Early-Flowering Single Chinese*. 2 ft. Attractive flowers in many charming shades. Seeds, 25c per pkt.

7455 *Laciniatum, White Comet Fringed*. 2½ ft. White petals. Seeds, 15c per pkt.

7462 *Maximum Conqueror*. 2 2/3 ft. This variety has very large, pure white flowers, five inches in diameter, on long stiff stems, produced in profusion. It blooms about mid-season and is one of the best varieties for cutting. Seeds, 15c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

7460 *—King Edward VII*. 2½ ft. Very large white flowers on stout stems. Blooms all summer. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7470 *—Mrs. C. Lowthian Bell*. 2½ feet. Large white daisy-like flowers. Seeds, 15c per pkt.

7502 *Elder Daisy*. A popular variety for early cutting, flowers coming into bloom 4 or 5 weeks earlier than the Shasta Daisy Alaska. The blooms are smaller with more of them to a plant. Height, 2 ft. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

For Shasta Daisy Alaska—See page 68.

**CIMICIFUGA (Snake Root)**

*Racemosa*. 4 to 8 ft. Tall, late-blooming. July to Aug. The large leaves are cut very deeply and the flowers, white, small, feathery and closely set, are borne on long stalks. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.



DICENTRA (Bleeding Heart)

**CLEMATIS**

7474 *Large Flowering Hybrids*. A mixture of large flowering sorts. Seeds germinate very slowly—may take a year. Seeds, 25c per pkt. For plants see Climbing Vines, page 95.

*Davidiana*. 4 ft. June-August. Delicately scented, pale blue flowers in clustered heads. Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.

7473 *Paniculata (Small-Flowering)*. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in Sept. when few other vines are in bloom. Seed germinates very slowly. Seeds, 10c per pkt. For plants see Climbing Vines, page 95.

7475 *Recta*. 2 to 3 ft. June-July. Produces fragrant, pure white flowers in very large, showy clusters. Seeds, 15c per pkt. Plants, two year, 3 for 85c; doz., \$2.50; 100, \$15.00; three year, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**COMMELINA**

7480 *Coelestis*. 10 to 18 inches. June. Branching habit, long pointed leaves, navy-blue flowers in clusters, tuberous rooted. Seeds, 25c per pkt.

COREOPSIS—See page 68.

**CONVOLVULUS**

7482 *×Mauritanicus*. 6 in. Blue with white throat; very fine plant for hanging baskets or rock garden. Rapid grower and blooms all summer. Seeds, 15c per pkt.

**CORYDALIS**

7492 *×Cheilanthesfolia*. 8 in. Fern-like foliage, golden-yellow flower spikes. April-October. Pkt., 25c.

7493 *×Lutea*. Gray-green foliage, golden-yellow flowers, in bloom all summer. Pkt., 25c.

**CRUCIANELLA**

7499 *×Stylosa*. 18 in. July. Tangled masses of elegant foliage, crowded heads of light red flowers. Seeds, 15c per pkt.

**CYCLAMEN**

7498 *×Europaeum*. 4 in. The well known red flowering Alpine violet. Aug.-Sept. Seeds, 50c per pkt.

**CYPRIPEDIUM (Hardy Orchid)**

Hardy Orchids for the most part are shade-loving plants and delight in a soil well drained and largely composed of leaf mold.

*Acaule (Red Lady Slipper)*. The plant sends up two broad, green leaves from the base and from between them comes a stalk about a foot high bearing a single large, rose purple flower. May-June. Plants, 3 for 85c; doz., \$2.50.

*Spectabile (Showy Lady Slipper)*. The finest and most showy of all Orchids. It grows about 2 ft. high, bearing along the stalk several rather large roundish leaves and on top one or two quite large, rose-purple or nearly white flowers. June. Plants, 3 for \$1.00; doz., \$3.50.

DELPHINIUM—See page 69.

**DICENTRA (Dielytra)****(Bleeding Heart or Seal Flower)**

7719 *Spectabilis*. Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border and especially valuable for planting in the shade. Strong roots. Seeds, (germinate slowly). 35c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.



BOCCONIA (Plume Poppy)





DIANTHUS Plumarius (Clove Pink)

### DIANTHUS (Hardy Garden Pink)

7576 **×Allwoodii Alpinus**. Perennial Dianthus flowering the first year from seed. It is only four to six inches high, has single and semi-double flowers and contains all the Dianthus colors. Is a perfect gem for the rock garden. Seeds, 50c per pkt.

7575 **Allwoodii Mixed**. The flowers are about 75 per cent double and appear in all colors except yellow. The single flowers are quite as handsome as the double and have the advantage of making large clusters. It is exceptionally hardy, commencing to flower in early spring and continuing through summer and fall. Seeds, (25 seeds) 40c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7579 **×Arenarius (Sand Pink)**. 6 in. Flowers pale purple, fringed. Desirable rock plant. Seeds, 25c per pkt.

7580 **×Caesius (Cliff Pink)**. 1 ft. Flowers delicate rose pink; fragrant. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7630 **×Atro-coccineus (Everblooming Sweet William) Cruentus**. Beautiful outdoor pink of intense crimson color; semi to full double flowers, borne on stout stems 15 to 18 inches high. Blooms continuously all summer and is useful for cutting. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50.

**Beatrice**. Similar in habit of growth to Napoleon but beautiful double salmon blooms. Fragrant and blooms all summer. Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.

7582 **×Deltoides (Maiden Pink)**. 8 in. Delicate pink blossom carried above fine, feathery foliage. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7581 **×Dentatus Hybridus (Amoor Pink)**. A red Siberian variety flowering in July. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7583 **×Graniticus**. 4 in. Low growing, forming dense carpet covered with crimson flowers in May and June. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7586 **×Neglectus (Glacier Pink)**. 6 in. Flowers cherry-carmine. May-July. A wonderful rock plant. Seeds, (50 seeds) 25c per pkt.

**Napoleon**. A new and improved variety of everblooming habit. Has large, double, deep red blooms, very fragrant and giving an abundance of bloom all summer. Makes a fine border or rock plant. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Plumarius** are the old-fashioned, fragrant Garden Pinks. Fine for perennial border or rockwork. 7591 **×Albus Plenus**. 1 1/2/3 ft. Double white. Pkt., 25c.

7590 **×Cyclops (Clove Pink)**. 1 ft. An exquisite mixture of colors; fragrant. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7595 **×Cyclops, Red Hybrids**. Seeds, 15c per pkt. 7597 **×Cyclops Double Mixed**. Seeds, 25c per pkt. 7600 **×Diadematus**. 12 in. White, pink and crimson. Seeds, 10c per pkt.

7611 **×Mrs. Sinkins**. Large double white. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50.

7596 **×Peacock**. Fringed white flowers with rings. Seeds, 15c per pkt. 7605 **×Nanus Fl. Pl.** 1 ft. Double dwarf mixed. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7609 **×Spring Beauty**. Double giant-flowered grass pinks carnation-like in form and size and with a beautiful range of color. Very fragrant. Seeds, 25c per pkt. 7610 **×Semperflorens**. 15 in. Single and double, flowers all spring and summer. Mixed colors. Seeds, 15c per pkt.

### DIANTHUS PLUMARIUS—Continued

7615 **×Single Mixed**. Delicately fringed flowers. Seeds, 10c per pkt.

7620 **×Double Mixed**. Fine for cutting. Pkt., 10c.

7625 **×VAUGHAN'S SPECIAL MIXTURE**. A grand selection of clove pinks of the above Plumarius type and others. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7587 **Best Rock Garden Varieties, Mixed**. Rock gardens now so popular need these low growing dianthus to brighten spots and fill in crevices with their attractive flowers. Seeds, 25c per pkt.

### DICTAMNUS (Gas Plant)

The glossy, leathery leaves are dark green and retain their deep color until late in Fall. The flowers are borne on spikes 2 to 3 feet high. Both the foliage and flowers are fragrant and when the parts are crushed in the hand, they have the fragrance of a lemon. The whole plant gives off a strong, volatile oil which will give a flash of light if a lighted match is held under the cluster of seed capsules on a sultry Summer evening. The seed of these is very slow to germinate and plants when once established, should be let alone.

7720 **Fraxinella**. 3 ft. June-July. Large spikes of deep pink, purple-veined flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7725 **—Albus**. 3 ft. June-July. Spikes of attractive pure white sweet-scented flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

DIGITALIS (Foxglove)—See page 68.

### DODECATHEON (American Cowslip) (Shooting Star)

Very pretty dwarf Primulaceous plant, ovate or oblong leaves with drooping Cyclamen-like flowers borne in umbels. They require a moist, cool and shady position.

7776 **×Meadia**. 1 ft. April-June. Flowers lilac. Seeds, 25c per pkt.

### DORONICUM (Leopard's Bane)

Showy spring flowering perennials belonging to the daisy order. Their yellow Marguerite flowers are invaluable for cutting. They have bright green, roughish, heart-shaped leaves and hairy flower stems.

7777 **Caucasicum**. 1 1/2 ft. A showy border plant with large heads of yellow flowers. Spring. Seeds, 50c per pkt. Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.

7778 **Plantagineum Excelsum**. 3 ft. Large yellow flowers 4 in. diameter April to Oct. Seeds, (20 seeds) 50c per pkt.

### ECHINACEA (Coneflower)

Stout perennials for the border or wild garden. Flowers in July-Aug., and the blooms make good cut flowers.

7780 **Hybrida**. 4 ft. Flowers of various shapes, produced in a wide range of colors. Seeds, 15c per pkt.

7785 **Purpurea (Purple Coneflower)**. 3-4 ft. A very handsome border plant bearing large heads of rosy purple flowers and dark central disc. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. Two-year clumps, 3 for 85c; doz., \$2.50; 100, \$15.00.

7786 **Purpurea Grandiflora**. Seeds, 15c per pkt.

### ECHINOPS (Globe Thistle)

The flower heads are round like a ball and are entirely covered with needle-like thistles. Are excellent for cutting, can be dried and will remain attractive for months. The leaves are large, deeply cut and very prickly.

7788 **Ritro**. 3-4 ft. Steel-blue flower heads. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50.

7790 **Sphaerocephalus**. 4 ft. Grayish white flowers on stout stems. Seeds, 10c per pkt.

### EDELWEISS

7791 **×Leontopodium Alpinum**. 4-12 in. June-July. The flowers are of downy texture, pure silver-white and star-shaped. Requires a dry, sunny location with good drainage. In other words, poor soil, stony, with but little or no humus, and especially deficient in nitrogen. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

### ERINUS

7798 **×Alpinus**. 4 in. Pretty rosettes of foliage and racemes of rosy purple flowers. A first rate rock plant and also invaluable for establishing on old walls or between steps. May-June. Seeds, 35c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

### ERYNGIUM (Sea Holly)

Handsome ornamental plants for flower and shrubbery borders. Flowers July to Sept. The leaves are prickly, flower heads are surrounded by spreading prickly floral bracts and the flower head itself is a small Teazel. The branches can be dried and the flowers used in winter bouquets.

7792 **Alpinum**. 2-3 ft. Shining green leaves, large light blue flowers. Seeds, 10c per pkt.

7793 **Amethystinum**. 1 1/2-3 ft. Fine foliage with bluish-green shoots terminating in numerous amethyst-blue thistle-like flowers. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7795 **Planum**. 2-3 ft. Small steel-blue globular flowers; graceful decorative plant. Seeds, 10c per pkt.



DICTAMNUS Fraxinella (Gas Plant)

### ERYSIMUM

7794 **×Pulchellum (Fairy Wallflower)**. A new dwarf species, forming close mats of dark green, later eclipsed with yellow bloom. Sandy soil. Seeds, 15c per pkt.

EUPATORIUM—See page 69.

### EUPHORBIA

7807 **Corollata (Milk Weed)**. June-July. Small white flowers not unlike Gypsophila Elegans. Seeds, 15c per pkt.

7808 **×Myrsinites**. 3 in. June-July. Distinct grey trailer, large heads of yellow flowers. Seeds, 15c per pkt.

7806 **Polychroma**. 18 in. June and July. Bright yellow flowers changing to rosy-bronze. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

### FERNS

Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage. (Ready April 1.)

**Adiantum Pedatum (Maidenhair Fern)**. 1 ft. The best dwarf fern.

**Asplenium Filix-Foemina (Lady Fern)**. 2 to 3 ft. Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist.

**Aspidium Spinulosum (Spinulose Wood Fern)**. 1 1/2 to 2 ft. A strong grower and should be included in every Fern collection.

**Onoclea Struthiopteris (Ostrich Fern)**. 3 to 4 ft. One of the most stately and best for cultivation; handsome dark green fronds.

**Osmunda Claytoniana**. 2-3 ft. A good fern for the shady corner. Fronds 7 to 12 in. wide. Price of Plants of any above ferns, 3 for 85c; doz., \$2.50; 100, \$15.00.

### FILIPENDULA HEXAPETALA

#### (Spiraea Filipendula)

**Dropwort**. 1-2 ft. June-July. Creamy white. Good for front row in hardy border. Graceful plants, both in flower and foliage. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**FORGET-ME-NOT**—See Myosotis in perennial and annual sections.

**FUNKIA (Day Lily)**. See Hosta on page 78.

### GENTIANA (Gentian)

Beautiful hardy border and rock plants, with shades of blue surpassing those found in any other family of plants. Grow in moist shady situation in sandy loam. Rather difficult to establish; do not disturb after once started and do not use lime in soil. Seed slow to germinate.

**Andrewsii**. One of the most fascinating native plants. The flowers which are tightly closed are borne at the top of a stem from 6 to 8 in. long and are an intense deep blue. Blooms best in moist place. June-October. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7840 **×Acaulis**. 4 in. Large bell-shaped deep blue flowers; spring blooming. Seeds, 20c per pkt.

7845 **Lutea (Yellow Gentian)**. 4 ft. July to September. Whorls of giant yellow flowers. Seeds, 10c per pkt.





EDELWEISS

**GALEGA (Goat's Rue)**

Herbaceous perennials belonging to the Pea order. They have pretty, pinnate foliage, and Pea-shaped flowers borne in racemes.

7839 *Hartlandi*. 4½ ft. June-Aug. Long racemes of beautiful lilac, pea-shaped blossoms. Seeds, 25c per pkt.

**GAILLARDIA (Blanket Flower)**—See page 69.

**GERBERA (Transvaal Daisy)**

7846 *Jamesoni* Hybrids. 2 ft. A valuable acquisition for garden enthusiasts and requires some care to grow to best advantage. Large daisy-like blooms on long stems in shades of yellow and red, attracting attention everywhere. Seed needs to be sown in greenhouse or hot-bed. Needs protection over winter. Seeds, (25 seeds) 25c per pkt. Plants, 75c each.

**GEUM**

Geums belong to the Rose family. The species described are showy, free-flowering kinds producing a wealth of attractive flowers which are much prized for cutting. They are of a tufted habit of growth with pinnate leaves. Excellent for border culture. To avoid wilting after cutting put stems in warm water.

7851 *XBoreii*. Producing an abundance of neat branching stems, covered with large well-formed flowers, brilliant shade of scarlet. June till late autumn. Pkt., 35c.

7850 *Coccineum Atrosanguineum Plenum*. 1½ ft. May-July. Flowers are double, bright scarlet. Seeds, 15c per pkt.

7852 *Lady Stratheden (Golden Ball)*. Flowers loosely double; a delightful shade of golden yellow. Seeds, 35c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7855 *XMrs. Bradshaw*. 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**GILIA**

7848 *Coronopifolia Mixed (Standing Cypress)*. Very leafy, the divisions being needle-like about one inch long. The flowers are 1½ inches long, trumpet-shape borne along the side of the summit of the stem. The colors include vermilion, salmon, apricot, rich pinks and pure yellow. A biennial. Seeds, 15c per pkt.

**GLOBULARIA (Globe Daisy)**

Shrubby plants for the hardy garden or rockery, producing fluffy balls of blue flowers during the summer. They all require light soil in a warm, sunny position.

7857 *XTrichosanthes*. 12 in. Dark blue. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**GOLDEN ROD**—See Solidago on page 81.

**GRASSES**

The ornamental grasses can be used with telling effect either as individual specimens in the border or on the lawn. Large beds or borders planted entirely to the different varieties are attractive or when planted in clumps on the margin of ponds.

7858A *Erianthus Ravennae*. 5 to 7 ft. Plume Grass. Producing from 30 to 50 flower-spikes. Closely resembles the Pampas Grass. Pkt., 15c.

*Eulalia Japonica Variegata*. 3 to 4 ft. A tall graceful variety. Its long, narrow leaf-blades are striped green-white and often pink and yellow. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

*Eulalia Gracillima Univittata*. 5 to 6 ft. Graceful hardy variety, narrow bright green foliage with a silvery mid rib. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**GRASSES—Continued**

*Festuca Glaucia*. 1 ft. A pretty dwarf grass with tufts of fine bluish green foliage. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7856 *Gymnothrix Latifolia (Pennisetum Latifolium)*. 3 to 4 feet, bearing several nodding plumes. 1 to 2 feet long. Seeds, 15c per pkt.

7856A *Gynerium Argenteum*. Pampas Grass. The plumes are silvery white. Perfect specimens can be obtained only in light, rich soil with moderate moisture. Not hardy in Middle West. Pkt., 15c.

7856B *Stipa Pennata*. Feather Grass. A well-known variety which has been grown in gardens. Seeds, 25c per pkt.

7859 *Uniola Latifolia (Spike Grass)*. Leaves are broad and flat, often one inch wide, spikelets large and thin and when full grown droop on slender stems. Hardy perennial. Seeds, 15c per pkt.

**GUNNERA (Prickly Rhubarb)**

7858 *Manicata*. 3 to 6 feet. A noble plant with huge leaves from 4 to 5 feet in diameter; requires a damp situation. A fine subject for large lawns, the bog garden, or beside pools. Seeds, 35c per pkt.

**GYPSOPHILA**—See page 70.

**HEDYSARUM**

7870 *Coronarium*, Red. 2-4 ft. French Honey-suckle. Attractive border plants with showy racemes of deep red, fragrant flowers. Summer. Need sun and light, well-drained soil. Seeds, 10c per pkt.

**HELENIUM (Sneezewort)**

The Heleniums are tall plants which are closely related to the Sunflower. The blooming period is from June to the end of September. The flowers are flat and borne in large heads of clusters.

*Autumn Glow*. 2-3 ft. Sept. A new variety of striking appearance. Large blooms of deep mahogany red. Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.

*Autumnale Rubrum*. 3 to 4 ft. Aug-Sept. Oxblood red changing to terra cotta. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7875 *—Superbum*. 4-5 ft. Large clear light yellow, flowers in Sept. Seeds, 10c per pkt.

7876 *—Hybridum Nanum Praecox*. 3 ft. Remarkable early-blooming hybrids in bronze and crimson-brown shades. July-Sept. Seeds, 25c per pkt.

7880 *Bigelowi*. 2 ft. Light yellow flowers borne from July to September. Seeds, 10c per pkt.

7885 *Hoopesii*. 1-3 ft. June. Rich orange-yellow with slightly drooping rays. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

7890 *Riverton Gem*. 2 to 4 ft. Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower-red. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

7895 *Riverton Beauty*. 4-5 ft. Rich lemon-yellow with a large purplish cone. Aug-Sept. Seeds, 25c per pkt.

**HELIANTHEMUM**

7906 *XMutabile (Rock Rose)*. 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and Aug. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**HELIANTHUS (Hardy Sunflower)**

Hardy, perennial sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.

7899 *Angustifolius (Autumn Glory)*. 5 to 7 ft. The great massing branches are a sheet of solid bloom of the clearest and richest golden yellow. Flowers are like great daisies flecked with gold. Blooms very late in season after frost has killed everything else. Seeds, 15c per pkt.

7900 *Maximilianii*. Small and graceful flowers of deep yellow on stems 2 to 4 ft. long, blooming from August to October. Seeds, 25c per pkt.

7905 *Perennial Varieties, Mixed*. Pkt., 15c.

*Mollis*. 5 ft. Aug-Sept. Thick velvety foliage of silvery tinge, lemon-yellow flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

*Multiflorus Plenus Fl. Pl.* 3 to 4 ft. Aug-Sept. Large double golden yellow flowers resembling a dahlia or a large chrysanthemum. Good for massing, for background effect and for cut flowers. Also valuable because it produces a wealth of large blooms when other perennials are not flowering. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

7902 *Rigidus Daniel Dewar*. 4 ft. Showy heads of golden yellow flowers with dark disk of gracefully curved petals. Fine for cutting. Seeds, 25c per pkt.

**X Rock Plants**

HELIANTHUS Multiflorus Plenus

**HELIOPSIS (Orange Sunflower)**

A very brilliant border plant, resembling a double sunflower; flowers are double yellow; produced on long wiry stems; an excellent cut flower.

7910 *Pitcheriana*. 3 to 4 ft. high. The flowers are of a beautiful deep golden yellow color about 2 inches in diameter; of very thick texture and blooms all summer. Seeds, 10c per pkt.

*Scabra Gratissima*. 2½ ft. July-Aug. Ochre yellow, almost double flowers, very fine for cutting. Plants, 3 for \$1.50; doz., \$5.00; 100, \$35.00. Two-year clumps, each, 75c.

7915 *Scabra Zinniaeflora Plena*. 3 ft. A compact, bushy plant with semi-double yellow zinnia-like flowers in July and August. Pkt., 15c.

7916 *Soleil d'Or (Golden Sun)*. Free flowering, very useful in the garden for display or cutting, golden yellow flowers. Seeds, 20c per pkt.

**HELLEBORUS (Christmas Rose)**

7920 *Niger*. 1 ft. White flower appearing very late in season. Plant in rich loam and coarse sand with top-dressing of rotten manure. When once established do not disturb; seeds germinate very slowly. Seeds, 25c per pkt.

**HEMEROCALLIS (Yellow Day Lily)**

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and many have a delightful fragrance.

*Aureole*. 3 ft. May-June. Deep orange-yellow with bronze reverse.

*Dr. Regal*. Rich orange-yellow. May and June.

*Flava*. 3 ft. June. Clear yellow, very fragrant.

*Florham*. 3 ft. July. Like *Flava* but blooms a month later.

*Fulva Kwanso Fl. Pl.* 3 ft. July-August. Orange shaded crimson, double.

*Sovereign*. 2 ft. May-June. Soft chrome-yellow shaded brown on the outside, fragrant.

*Thunbergi*. 3 ft. July. Fragrant large golden yellow blooms.

Plants, any of above *Hemerocallis*, 3 for 65c; doz., \$2.00; 100, \$12.00.

**HESPERIS MATRONALIS****(Sweet Rocket—Evening Scented Stock)**

Belongs to the Wall flower family. Deliciously sweet-scented flowers for garden or cutting. 2-3 ft. June-Aug. Sow in Spring in boxes and transplant in April or May—or sow in open ground in April for later bloom.

7930 *Purpurea*. Purple. Seeds, ½ oz., 30c; pkt. 10c.

7935 *—Alba*. White. Seeds, 10c per pkt.

7936 *—Mixed*. Seeds, 10c per pkt.

**HIERACIUM (Hawkweed)**

7968 *Villosum*. 1 ft. Yellow. Flowers in July. Plant in light, rich loam. The silvery foliage and showy flowers of this species makes it very desirable. Pkt., 25c.

**HOLLYHOCK**—See page 70.

**HOLLAND, MICH.**—I have raised a 250 ft. row of Sweet Williams of your seed. They are the most beautiful shades that the Sweet William comes in, mostly dark colors. Some are a velvety Dark Red, almost black.—Mrs. F. M. M.





HOSTA (Funkia or Day Lily)

**HOSTA (Funkia or Day Lily)**

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. 1½-2 ft. July-Aug. Effective in front of shrubbery under trees, or any shady position.

**Cordata Aurea Variegata.** 1 ft. Choice new variety. August. Lavender-blue. Large golden variegated leaves. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Coerulea (Lanceolata).** 1 ft. Dark blue. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**Subcordata Grandiflora.** Flowers white, large green leaves. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**Variegata.** Good edging plant. Leaves white and green. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**HORMINUM**

8058 **Pyrenaicum.** 1 ft. Hardy, herbaceous perennial belongs to Sage order. Requires a dry situation. Blue, flowers in summer. Seeds, 25c per pkt.

**HUMULUS**

8059 **Lupulus.** 1 ft. Common hop. Seeds, 10c per pkt.

**HYACINTHUS**

8060 **Candicans (Cape Hyacinth).** A snow-white summer flowering Hyacinth, 3 to 5 ft. tall, surmounted with from 20 to 30 pure white bell-shaped flowers. Seeds, 15c per pkt.

**HYPERICUM (St. John's Wort)**

**Moserianum.** 1½ ft. A splendid shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 in. in diameter, like immense single buttercups. A most desirable plant for sunny situations. Blooms all summer. Plants, 3 for \$1.00, doz., \$3.50; 100, \$25.00.

**IBERIS (Perennial Candytuft)**

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

8075 **Gibraltarica.** Pinkish-white. Seeds, 10c per Pkt.

8080 **Sempervirens.** Flowers form a sheet of whiteness. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8079 **Snowflake.** Large, pure white flowers. Seeds, 25c per pkt.

8081 **Tenoreana.** 9 in. White flowers changing to pale purple. Seeds, 10c per pkt.

**INCARVILLEA (Hardy Gloxinia)**

Large rich rose Bignonia-like flowers with deep yellow throats, produced all through the summer. A hardy perennial which succeeds well in borders and is equally valuable for greenhouse decoration.

8084 **Bee's Pink.** 1½ ft. Large light rose flowers. Seeds, 50c per pkt.

8085 **Delavayi.** 2 ft. June. Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. Seed germinates very slowly. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8086 **Grandiflora.** 1 ft. A Chinese species. Is another showy kind, with carmine flowers and bold, handsome fern-like foliage. Flowers in May and June. Seeds, 25c per pkt.

8087 **Grandiflora Brevis.** 2 ft. Large flowers, bright deep rose. Very handsome. Seeds, 25c per pkt.

**INULA**

8088 **Ensifolia.** 9 in. July-Sept. Vigorous plant and a continuous bloomer with large yellow aster-like flowers and rather coarse foliage. Seeds, 25c per pkt.

8088A **Glandulosa Grandiflora.** Large deep yellow heads, linear rays, very showy. Seeds, 15c per pkt.

8089 **Royleana.** Himalayan species, flowers rich orange, 5-6 in. over, dwarf habit, one of the best border perennials. Seeds, 25c per pkt.

**IRIS**

8090 **Kaempferi (Japanese Iris).** The seeds we offer have been saved from our own unrivaled collection, and should produce only varieties of the highest merit. Seed of slow germination. Seeds, 10c per pkt.

8091 **Large flowering Hybrids (German).** This seed comes from the trial grounds and workshop of a specialist who has introduced many new and beautiful varieties and this seed should produce some attractive sorts. Iris seedlings usually bloom second year. Seeds, 50c per pkt.

8092 **Siberian.** This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Seeds, 10c per pkt.

KNIPHOFIA—See Tritoma, page 82.

**LAVANDULA**

Delightfully fragrant flowers, much used when dry on account of their sweet odor.

8116 **Vera (True Lavender).** 2 ft. June-Aug. Blue. Seeds, 10c per pkt.



LINARIA Dalmatica Macedonica

**LATHYRUS LATIFOLIUS (Hardy Pea)**

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., as floral screens and for cutting. Blooms all summer.

8100 **Pink Beauty.** Pale pink variety.

8105 **Rubra.** Bright rosy crimson.

8110 **White Pearl.** Large-flowering white.

8115 **Mixed.** The above colors.

Each of the above. Seeds, 10c per pkt. Plants, Pink, Red or white, 3 for 85c; doz., \$2.50; 100, \$15.00.

**LIATRIS (Kansas Gay Feather)**

It grows in long spikes 4 to 5 feet tall and densely covered with slender grass-like leaves of a light green. The small flowers are light rosy-purple; a peculiar habit of the Liatris is that the succession of bloom is from the top downward rather than from the lowest blooms up to the highest as in all other spike flowers.

8123 **Pycnostachya.** 4 to 5 ft. One of the choicest and boldest species. Flowers purple in dense spikes, which bloom a long time. Foliage thick and grass-like; excellent for masses in the border. July-Aug. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8118 **Spicata (Button Snakeroot).** 2 to 3 ft. Western and Southern States. Purple flowers on spike 6 to 15 in. long. July-Sept. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8119 **Scariosa.** Rare North American species. Crowded spikes of rosy purple flowers. Pkt., 15c.

LILIUM—See page 70.

**LINARIA (Toad Flax)**

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

8122 **Alpina.** 6 in. Blue, flowers in July and Aug. Seeds, 25c per pkt.

8120 **Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange; flowers throughout summer; trailing habit. Seeds, 10c per pkt.

8121 **Dalmatica Macedonica.** This can be described as a perennial, hardy snapdragon. The flowers are as large as the ordinary large-flowering snapdragon, bright yellow with orange lip. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**LINUM (Flax)**

Flax is a lovely, airy plant. The general height is from 12 to 18 inches. The foliage and flowers are very delicate and graceful and present the appearance of a small feathery bush. The flowers are borne in great numbers all during the blooming season which lasts from May through Sept. They have the capricious habit of blooming every other day.

8123A **Alpinum.** 6 in. Blue. July. Seeds, 25c per pkt.

8124 **Narbonnense.** Forms a spreading clump of attractive foliage with a profusion of azure-blue flowers with white eye. Seeds, 25c per pkt.

8125 **Perenne Blue.** 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms short lived but are produced continuously in such profusion it creates the effect of blue sheen over the plant. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8130 **Album.** Milk-white flowers. Seeds, 10c per pkt.

8135 **Mixed.** Seeds, 10c per pkt.

8140 **Flavum.** 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Seeds, 20c per pkt.

**LOBELIA**

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

8145 **Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of brilliant fiery scarlet flowers. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8146 **Syphilitica (Great Blue Lobelia).** 3 ft. Aug.-Sept. A native wild flower. Fine spikes of blue flowers streaked in white. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**LUNARIA**

8150 **Annua (Biennis) (Honesty or St. Peter's Penny).** Flowers purple, followed by silvery seed pods, prized for winter decoration. Annual but readily self-sows. Seeds, 10c per pkt.

8155 **Alba.** Pure white. Seeds, 10c per pkt.

LUPINUS POLYPHYLLUS—See page 71.

**LYSIMACHIA**

**Nummularia (Moneywort).** Creeping Jenny, an exceptionally good, nearly evergreen, ground cover for the rock garden. In the spring it is covered with bright yellow flowers which continue at intervals all summer. The foliage is a bright, shiny, light green that is attractive the entire year. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**Vulgaris (Golden Loosetrife).** 2-3 ft. August. Sprays of golden flowers, makes a good border or background plant. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.



LOBELIA Cardinalis



**LYCHNIS**

A fine old-fashioned flower, bearing large heads of brilliantly colored flowers, that live up to the border during Summer and early Autumn.

8200 *Alpina*. 4 in. April. Close tufts olive green foliage. Clusters of rose-colored flowers. Seeds, 20c per pkt.

8189 *Arkwrightii*. 2 to 3 ft. A cross between *Chalcedonica* and *Haageana*. May. An abundance of large flowers in brilliant colors, varying from orange scarlet to soft salmon pink. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8190 *Chalcedonica* (Jerusalem Cross). 3 ft. June-Aug. Burning Star. Flowers which are of the most fiery red imaginable appear in clusters, each individual blossom forming a maltese cross. Will bloom from seed the first year. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8195 —*Alba*. White. Seeds, 10c per pkt.

8196 —*Salmon Queen*. 3 ft. Beautiful salmon shade. Seeds, 15c per pkt.

8210 *Haageana* Hybrids. 1 ft. June-July. Mixed. Ranging from nearly white to bright scarlet. Seeds, 10c per pkt.

8215 *Viscaria Splendens*. 1½ ft. Makes large clumps of almost evergreen foliage. Its flowers are bright rose; useful for cut flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**LYTHRUM**

8220 *Roseum Superbum*. 4 ft. July-Aug. A native perennial, good for massing. Flowers rosy lilac produced on long slender spikes. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**MALVA**

Free-flowering and showy perennial (Mallows) suitable for sunny borders or the wild garden. The flowers are large, attractive, and borne in terminal clusters, and the leaves are lobed or cut.

8221 *Moschata* (Musk Mallow). 2 ft. Satiny pink flowers. June to Sept. Seeds, 15c per pkt.

**MATRICARIA (Feverfew)**

3205 *Capensis* Fl. Pl. The true double flowered hardy white Feverfew. Marguerite-like foliage with clusters of double pompon-flowers from June to October. One of the best all-season cut-flowers. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**MAZUS**

+*Reptans*. 4 inch. A fine ground cover for the rock garden. In spring it is covered with orange throated lilac flowers that resemble a tiny hand. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**MECONOPSIS**

8222 *Baileyi*. The new and beautiful blue Thibetan poppy. It is a graceful plant, with downy pale green leaves, the brilliant Cambridge-blue pendant flowers, 4 inches across, being carried singly on stems about 2 feet high. Hardy perennial, thriving best in a shaded position. This is very difficult to grow. We will add what cultural instructions we can. Our own trials were not successful. Seeds, (100 seeds), 50c per pkt.

**× Rock Plants****LYCHNIS Arkwrightii****MERTENSIA (Blue Bells)**

*Virginica*. 18-in. May-June. Light blue. Soft, light green stems and foliage. The flowers are reddish purple when in bud but, as the flowers open, they change to a lovely gentian-blue. They hang in drooping, nodding, graceful clusters and individual flowers are funnel-shaped. Blooms early, and cannot be shipped after April 15th. Moist soil in shady location. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**MICHAELMAS DAISY**—See page 67.

**MINT (Mentha)**

Old-fashioned hardy, useful plant. 3 in. pots. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

**MONARDA (Bergamot or Bee Balm)**

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colored bracts, and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

*Didyma*. 3 ft. June-Sept. Brilliant scarlet. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8227 *Cambridge Scarlet*. Brightest glowing scarlet. July-August. Seeds, 25c per pkt.

8226 *Hybrida*. Mixed. 15c per pkt.

*Fistulosa*. 3 ft. July. Purple flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**MYOSOTIS Ruth Fisher****MYOSOTIS (Forget-Me-Not) 4 to 9 in.**

Lovely dwarf plant for damp places, spreading rapidly and covering the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants. We list the seeds of *Alpestris* varieties among annuals as they are better treated as such by those who have no hot-bed or cold frame accommodations for wintering the yearling plants.

8230 *Dissitiflora*. Rich blue, early and compact. One of the best. Seeds, 15c per pkt.

8240 *Palustris Semperflorens*. Dwarf blue, in flower from early spring until autumn. Thrives in almost any situation and is an ideal variety for rock gardens or edgings. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8245 *Vaughan's Early and Late-Flowering*. The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky-blue with a delicate white center. Plants may be in bloom at any time of the year. Seeds, 10c per pkt.

8249 *Isolde Krotz*. Plant of compact habit, robust growth, flowers large true forget-me-not blue. Splendid for pots and spring bedding. Seeds, 25c per pkt.

8250 *Ruth Fisher*. It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage. Seeds, 25c per pkt.

8251 *Blue Bird*. A beautiful winter-flowering deep blue variety. Seeds, 25c per pkt.

**MYOSOTIS**—For other varieties see page 55.

**NEPETA (Mauve Catnip)**

Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. For beds, edging or rock garden.

8254 *Mussini*. 1 ft. May-Sept. Light blue. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**LUNARIA (Honesty or Peter's Penny)****NIEREMBERGIA**

× *Rivularis* (White Cup). 4 in. May-Sept. Dwarf, creeping rock plant bearing cup-shaped white flowers all summer. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**OENOTHERA (Evening Primrose)**

Showy and beautiful plants for borders, beds, etc., flowering from June to October.

8256 *Clutei*. From a large rosette of basic leaves it throws up a stout central stalk some 4 ft. in height bearing in profusion large flowers of soft yellow. Remains open all day. Seeds, 25c per pkt.

8255 *Fraseri*. 2-3 ft. Rich golden yellow. Glaucous foliage. Seeds, 10c per pkt.

8261 *Missouriensis* (Macrocarpa). 1 ft. Long trailing stems with large yellow flowers followed by large winged seed. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8262 *Speciosa Rosea*. 2 ft. White turning to pink, fragrant, fine. Seeds, 25c per pkt.

8264 *Trichocalyx*. The plant is 12 to 15 inches high, fairly compact and branching, and bears many blooms in continuous succession. These are large, of the purest white, and adorned with golden anthers, which heightens their charm. The flowers also remain open all day. Seeds, 25c per pkt.

8265 *Youngii*. 1-3 ft. Deep golden yellow flowers with reddish stems. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**ORNITHOGALUM**

*Ornithogalum* is a bulbous plant belonging to the lily family and came originally from South Africa. Plant seeds in a seed bed in rather a cool temperature and transplant when large enough, about 50% will flower the second year, full flowering takes place the third year. It is wonderful cut-flower material, the outstanding feature is their lasting quality after being cut.

8266 *Lacteam* (Darling Chinchichee). Pure white flowers with dark eyes, and stems 1½ to 2 ft. Seeds, 50c per pkt.

8267 *Thrysoides*. Dense racemes of thirty to forty star-like flowers, each one-inch across, in triangular clusters. Seeds, 50c per pkt.

**PACHYSANDRA (Japanese Spurge)**

× *Terminalis*. 4 to 6 in. Small whitish flowers in May, which are insignificant; deep green, evergreen foliage, after the *Helleborus* type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere. Greatly used for planting under trees or any place where grass will not grow. Strong Pot. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. For planting large areas we can furnish rooted runners at \$8.00 per 100.

**PAPAVER NUDICAULE and ORIENTALE**—See page 71.

**PHLOX (Hardy)**

8340 *Decussata*. 2-3 ft. June-Oct. Perennial varieties mixed from a celebrated collection. Seed slow and erratic in germinating and the seedlings may not appear for a year. Seeds, 15c per pkt. Plants, see page 87.

8341 *Divaricata Canadensis*. A native species worthy of extensive planting. Blooms early April. Fragrant lavender flowers on stems 10 inches high. Prefer shade. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.



**PENTSTEMON (Beard Tongue)**

They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers with hairy throats from whence the name "Beard Tongue" comes.

- 8316 *Barbatus Torreyi* (*Chelone Barbata*). 3½ ft. July-August. Coral red. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 8317 *Coccineus*. Scarlet. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 8335 *Digitalis*. 2 ft. June-July. White flowers with purple throat. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 8324 *Glaber*. 3-ft. July-Sept. Blue. Pkt., 25c.
- 8325 *Pubescens*. 2 ft. Rosy purple. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 8330 Large Flowering Newest Hybrids. Splendid assortment of colors. Seeds, 15c per pkt.
- 8377 *Southgate Gem*. 2 ft. Long graceful stems carrying numerous rich poppy-red flowers, showing pure white throats. Seeds, 25c per pkt.

For other varieties see color section.

**PEONY**

- 8339 *Chinensis Double Mixed*. Seed saved from our own collection at our nursery. Seed germinates very slowly. Keep seed bed undisturbed for one year. Seeds, 15c per pkt.

*PHYSALIS Franchetti*—See page 71.

*PHYSOSTEGIA*—See page 71.

*PLATYCODON*—See page 72.

**PLUMBAGO (Leadwort)**

- ×*Larpentae*. 8 inches. Dwarf spreading habit covered with deep blue flowers all summer and fall. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**POLEMONIUM (Jacob's Ladder)**

Free flowering hardy perennial herbs, belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border.

- 8380 *Coryuleum* (*Greek Valerian*). 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 8385 —*Album*. Pure white. Pkt., 10c.
- 8386 —*Prima Donna*. 18 inches. Dwarf plant with delicate light blue flowers. Seeds, 20c per pkt.
- 8387 ×*Reptans*. 8 to 10 in. April-June. Dwarf bushy plant of graceful growth. Showy blue flowers. Seeds, 15c per pkt.
- 8388 *Richardsoni*. 18 in. Really a variety of *pumila*, has large sky-blue flowers with a yellow eye. Flowers May to Sept. Seeds, 25c per pkt.

**POTENTILLA (Cinquefoil)**

Potentillas greatly resemble the Strawberry plant, especially in the manner of growth and the foliage. This is a trailing plant which covers the ground rapidly and sends out roots as it goes along. The flowers are very showy, the colors are very bright.

- 8390 *Formosa*. 1-2 ft. Cherry rose-colored flowers in summer. Seeds, 10c per pkt.
- 8392 *Nepalensis* Miss Willmott. Flowers salmon-pink very freely produced. Seeds, 25c per pkt.
- 8393 —*Roxana*. 1½ ft. Brilliant salmon flowers, darker veins. Seeds, 15c per pkt.
- 8400 *Double Mixed*. All colors. Seeds, 20c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- 8401 *Rupestris*. 20 in. Flowers white in June. Seeds, 15c per pkt.

*POPPY*—See page 71.

**POTERIUM (Burnet)**

*Obtusum* (*Japanese Burnet*). 3 ft. July-September. A rare plant of recent introduction. It has graceful pinnate foliage and catkin-like crimson flowers about two inches long. Very ornamental and fine for cutting. Plants, 50c each.

**PRIMULA (Primrose)**

These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location and are fine for a rock garden.

- Acaulis Lilacina*, Fl. Pl. (*Lavender Beauty*). A fine new double variety, similar in habits and character to *Primula Veris*, but having large double lilac blooms. Has proved hardy around Chicago and has attracted much attention at Flower Shows. Plants, 3 for \$1.50; doz., \$5.00.
- 8402 ×*Acaulis (Vulgaris)* (*Common Primrose*). Flowers bright yellow; fragrant. Seeds, 10c per pkt.
- 8403 ×*Auricula*. 6 in. Flowers in early spring in color of yellow, brown and red. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, 20.00.
- 8404 *Beesiana*. 18 in. Chinese species has woolly leaves with brilliant velvety purple flowers with a large yellow eye. Borne in whorls in April and May. Seeds, 35c per pkt.
- 8405 ×*Bullisiana Hybrida*. New hybrids of rose, orange, carmine, light and dark blue. Seeds, 50c per pkt.



*PRIMULA Veris*

*PRIMULA*—Continued

- 8405A ×*Cashmeriana*. 1 ft. Flowers in dense heads, lilac in color. Blooms early. Seeds, 25c per pkt.
- 8405B *Cortusoides Grandiflora Sieboldii*. 1 ft. A Siberian species with umbels of deep rose with white eye. April. Creeping root. Seeds, 35c per pkt.
- 8405C —*Grandiflora Rosea*. Seeds, 35c per pkt.
- 8406 ×*Floribunda Grandiflora*. A large flowered yellow variety that does well in winter in pots. Seeds, 35c per pkt.
- 8408 ×*Japonica Mixed*. One of the most stately and attractive species. Several superimposed whorls of flowers on stems. 8-24 in. high. Seed germinates very slowly. June. Seeds, 15c per pkt.
- 8410 ×*Japonica*. Special Strain. Colors range through all shades of white, rose, pink, crimson, mauve and lavender, bright crimson with orange eye. Seeds, 25c per pkt. Plants, 3 for \$1.00; doz., \$3.50; 100, \$25.00.
- 8413 ×*Pulverulenta*. 18 in. Shining purple-carmine flowers. As hardy as *Polyanthus*. Seeds, 35c per pkt.
- 8414 ×*Rosea Grandiflora*. 8 in. Rose carmine. May-June. Seeds, 35c per pkt.
- 8415 ×*Veris, Mixed*. 6-9 in. The Oxlip, bearing bright flowers in umbels. Seed germinates slowly. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, for \$15.00.
- 8416 ×*Grandiflora, Mixed*. An extra choice large flowered mixed strain. Seeds, 25c per pkt.
- 8417 ×*Munstead Strain*. A giant polyanthus in many charming light shades. Pkt., 35c.
- 8418 ×*Lutea*. Yellow. Seeds, 25c per pkt.

**Primula Collection No. 80**

One plant each 3 varieties our selection for \$1.25.

*PYRETHRUM*—See page 72.



*SALVIA Azurea Grandiflora (Pitcherii)*

**PRUNELLA**

- 8424 *Grandiflora Rosea*. 10 in. A pretty dwarf perennial for border. Carmine rose flowers. Seeds, 15c per pkt.

**PUERARIA (Kudzu Vine)**

- 8425 *Thunbergiana* (*Jack-and-the-Bean-Stalk*). 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth. Seeds, 10c per pkt. For roots see Hardy Vines, page 95.

**RANUNCULUS (Buttercup)**

Well-known double yellow buttercup, effective either as a cut flower or grouped in the hardy borders.

- 8446 ×*Asiaticus*. 6-12 in. Flowers in May, variable in color, generally double in form, will bloom from seed the first year if sown early. Seeds, 15c per pkt.
- 8447 *Asiatica Ragionieri*. A very large strain in most distinct and uncommon colors. It produces besides the double flowers a percentage of charming single and semi-double ones, excellent for cutting. Seeds, 25c per pkt.
- Acris Fl. Pl. (Double Buttercup)*. May-June. Yellow. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.
- ×*Repens Fl. Pl.* 6 in. Double creeping Buttercup. May-June. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**REHMANNIA**

- 8449 *Angulata*. 2 ft. Large *Incarvillea*-like flowers in rose and red shades. Seeds, 25c per pkt.

**ROMNEYA**

- 8445 *Coulteri* (*California Tree Poppy*). 5 ft. An exceedingly beautiful, sub-shrubby, *California* perennial, with glaucous, pinnatifid leaves, woody stems and large, satiny, white fragrant, poppy-like flowers. The flowers often measure 6 in. in diameter, and the numerous golden stamens which fill the centers add materially to their beauty. Not hardy in middle west. Seeds, 15c per pkt.

**ROSE**

- 8452 *Polyantha Nana*. 1 ft. Miniature Fairy Roses. A remarkable race of miniature roses. Blooms early. Useful in small beds or borders or pots, being literally covered with bunches of double and semi-double light pink flowers. Seeds, 10c per pkt.

**RUDBECKIA (Cone Flower)**

Hardy, free flowering and easily grown perennials belonging to the Daisy order. They are somewhat akin to the Sunflowers in habit. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting. Natives of N. America.

- 8455 *Hirta*. (*Black-Eyed-Satan*.) 1-3 ft. Seeds, 10c per pkt.
- 8460 *Speciosa (Newmanii)*. 3 ft. Rich golden yellow with central black disc. Seeds, 15c per pkt.
- Purpurea Grandiflora*—See *Echinacea Purpurea*.
- Laciniata Fl. Pl. (Golden Glow)*. 5 to 7 ft. July-October. Yellow. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**SALVIA**

Showy, hardy plants of medium growth and of easy cultivation in sunny borders. The flowers are borne in spikes, racemes, or panicles, and very attractive during the summer months.

- 8470 *Argentea*. 3 ft. June. Biennial, silvery white foliage, pyramids of yellow flowers. Seeds, 10c per pkt.
- 8471 *Azurea Grandiflora*. (*Syn. Pitcherii*). 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers in great profusion. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100 for \$12.00.
- 8475 *Nemorosa Superba*. 2½ ft. Deep violet. Seeds, 25c per pkt.
- 8476 *Nutans*. 3 ft. A dark blue drooping flower. Seeds, 15c per pkt.
- 8477 *Pratensis*. 2 ft. A violet blue. Seeds, 15c per pkt.
- 8479 —*Atrato-Violacea*. 20 in. Dark violet. Seeds, 25c per pkt.
- 8474 *Turkestanica*. 4½ ft. White, bracts white to lilac. Seeds, 20c per pkt.
- 8478 *Verbascifolia Syria*. 5 ft. Makes a bold clump of foliage, the oval leaves fully one foot in length and half as broad, being dull olive-green above, deeply netted and covered on the under side with creamy white felt. Flower spikes 18 in. tall. Flowers dark blue. Seeds, 25c per pkt.
- 8480 *Patens*. 2 ft. Large, rich deep blue flowers. Roots should be dug and wintered in cold cellar. Sept. Seeds, 25c per pkt.
- Pitcherii (Meadow Sage)*. 3½ ft. Sept.-Oct. Deep blue. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Officialis (Common Sage)*. 6-12 in. White-woolly. Plants, 3 for 65c; doz., \$2.00; 100, \$10.00.

× **Rock Plants**



## SEDUM

Fine plants for rock gardens. A genus of plants with more or less fleshy leaves belonging to the Houseleek order. The species vary in habit from dwarf, creeping plants to those of larger growth, as the Spectabile, grows upwards of 2 ft. high. Some, too, are of evergreen and others of deciduous growth. The dwarf kinds do well as edgings to borders and the others are suitable for grouping in the mixed border. They are the easiest of all plants to grow.

8501 **XAcre (Golden Moss)**. 3 in. This low tufted perennial spreads over the soil. The leaves are small, attractive, light green. The flowers, bright yellow in color, completely cover the plants in June. **Seeds**, 25c per pkt. **Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00.

**XAcre Elegans**. 3 in. Yellow flowers. June. Beautiful new variety. The tips or youngest growth show yellowish green giving plant the appearance of constant bloom. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8501A **Aizoon**. 10 in. Yellow and brown, for rocks and borders. July. **Seeds**, 25c per pkt.

8504 **Anglicum**. 4 in. Foliage blue-green, numerous flower-spikes, white, with peach blossom. June-July. **Seeds**, 25c per pkt.

8505 **Hybridum**. 6 in. Yellow. **Seeds**, 25c per pkt.

**XAlbum**. 3 in. Thick waxy green foliage, white flowers in May-July. **Plants**, 3 for 65c; doz., \$2.00.

8502 **XCoeruleum**. Flowers pale blue, 1 in., across. **Seeds**, 25c per pkt.

**XDasyphyllum**. 1 in. White flowers. June. Very dwarf, compact variety with grayish blue foliage. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

**XHispanicum**. 2 in. Mossy growth with grayish blue foliage, dense and prolific. **Plants**, 3 for 85c; doz., \$2.50.

**XMuralis**. 5 in. Mossy foliage showing pink stems and turning reddish in fall. White flowers in June. **Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00.

**XKamtschaticum**. 8 in. July-Aug. A compact grower. Star-shaped golden flowers. **Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00.

8504A **XMiddendorffianum**. 6 in. Numerous yellow flowers. **Seeds**, 25c per pkt.

8504B **Mixed Many Species**. **Seeds**, 25c per pkt.

**Pruinatum Forsterianum**. 2 in. Glaucous bluish-green foliage in rosette form. Yellow flowers in July. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8505A **XReflexum**. 8 in. Trailing stems, flowers yellow,  $\frac{3}{4}$  in. across. **Seeds**, 25c per pkt. **Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00.

**Rubrum**. 18 in. June-August. Brownish red foliage; light pink flowers. **Plants**, 3 for 85c; doz., \$2.50.

**XSarmetosum**. 5 in. Rapid grower, yellowish-green foliage. Yellow flowers, May-June. **Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00.

**XSexangulare (Hexagon Stone Crop)**. 3 in. An improved Acre. Very dark green foliage, dense and prolific. Bright yellow flowers produced in profusion during May and June. **Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00.

**XSieboldii**. 4 in. Round succulent, glaucous foliage; bright pink flowers in August and September. Grows slowly but is probably the most beautiful of all sedums. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

8503 **XSpurium**. 6 in. From the Caucasus, has pink flowers which appear in July and Aug. Bronze-red foliage. **Seeds**, 25c per pkt. **Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00.

8503A **XCoccineum Splendens**. 5 in. Creeping habit, rosy mauve. **Seeds**, 25c per pkt.

**Spectabile**. 18 in. One of the prettiest erect-growing species, with broad, light green foliage and immense heads of handsome showy rose-colored flowers. **Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00.

**Brilliant**. 18 in. June-July. Same as Spectabile but flowers a vivid pink. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

## Sedum Collection No. 81

One plant each, 6 varieties, our selection, for \$1.25.

## SEMPERVIVUM (Hen and Chickens)

**XArachnoideum (Cobweb Houseleek)**. Rosettes barely 1 inch diameter tinted red-brown and in the growing season the leaf tips are connected by many soft white hairs giving the rosette a cob web covering. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**XGlobiferum**. Flattened rosettes 2 to 3 inches diameter, grey-green leaves tipped brown. Pale yellow flowers in June. **Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00.

**Le Harpi**. 3 in. Rosettes tipped reddish brown. A very satisfactory variety. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

8507A **XPerennial Hybrids Mixed**. **Seeds**, 50c per pkt.

**Robustum**. Similar to Tectorum but much larger rosettes, sometimes attain a diameter of 6 in. **Plants**, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**XTectorum**. 3 to 4-inch rosettes, leaves tipped reddish brown. Light red flowers. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.



SEDUM Spectabile

## SENECIO

8506 **Clivorum Orange Queen**. 4 ft. Stately border plant; loves moisture. Rich orange flowers. July-August. **Seeds**, 25c per pkt.

8507 **Othello**. 4 ft. A purple foliaged variety, with dark orange flowers. July-August. **Seeds**, 25c per pkt.

## SIDALCEA

Graceful, hardy perennials with Hollyhock-like flowers borne on slender spikes. Suitable for sunny borders. The genus belongs to the Mallow order.

8496 **Rose Queen**. 2-3 ft. July-Aug. Beautiful rose-pink flowers. Very distinct. **Seeds**, 15c per pkt.

8497 **Rosy Gem**. 4 ft. Produces numerous flower spikes of pretty clear rose shade. **Seeds**, 25c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

8499 **New Hybrids**. Varying through light pink to deep rose shades. The blooms appear continuously throughout the summer months and are invaluable for cutting. **Seeds**, 15c per pkt.

## SILENE (Catchfly)

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all summer.

8508 **Alpestris**. 6 in. May to July. Sheets of glistering white flowers. **Seeds**, 25c per pkt.

8508A **Asterias Grandiflora**.  $1\frac{1}{2}$  ft. Globular heads of carmine-scarlet flowers. **Seeds**, 15c per pkt.

8508B **XOrientalis**. 8 in. Tall, robust-growing biennial of neat habit; plants freely branched from the base, each branch carrying a large globular head of bright rose flowers, which are clove-scented. **Seeds**, 10c per pkt.

8509 **XSchafta**. 4 in. July-October. Bright rose; one of the best autumn border plants. **Seeds**, 15c per pkt. **Plants**, 3 for 65c; doz., \$2.00; 100, \$12.00.

8509A **Saxifraga**. 10 in. June to Aug. Flowers yellowish on upper surface, reddish-brown underneath. **Seeds**, 25c per pkt.

## SISYRINCHIUM

8500A **XAnceps**. 6 in. Blue-eyed grass, deep blue flower with darker eye. **Seeds**, 15c per pkt.

## SOLIDAGO (Golden Rod)

Hardy, free flowering, and showy perennials, suitable for ordinary borders, naturalizing in the wild or woodland garden, or by the waterside. All yellow-flowered borne in terminal, arching racemes. Native of North America, and members of the daisy order.

8510 **Canadensis**. 3-5 ft. Aug.-Nov. Gracefully arched sprays of golden yellow flowers. **Seeds**, 10c per pkt. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8811 **XVirgo-aurea Alpestris**. 10 in. Yellow, spring. **Seeds**, 15c per pkt.

## SPERGULA

8512 **XPilifera**. 4 inches. A hardy evergreen suitable for grass edging or rockwork. **Seeds**, 35c per pkt.

## STACHYS (Lamb's Ears)

8515 **Lanata**. 1-1 $\frac{1}{2}$  ft. Grown for the effect of its dwarf, white woolly foliage; the flower spikes should be removed. **Seeds**, 10c per pkt.

## X Rock Plants



SCABIOSA Caucasicca

## SAPONARIA

8482 **XOcymoides Splendens**. 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. June-August. **Seeds**, 10c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

8481 **Officinalis**. 2 ft. "Bouncing Bet," a native wild flower with whitish flowers. **Seeds**, 10c per pkt.

## SAXIFRAGA (Megasea)

The Saxifrages are one of the largest and one of the most important genus of plants, connected with Alpine gardening.

8483 **XAizoon**. 6 in. Flower petals cream color often spotted at the base. **Seeds**, 25c per pkt.

**XCordifolia**. Light pink. 1 ft. May. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00. 2-year, 3 for \$1.00; 3-year, 3 for \$1.50.

8487 **XSplendens**. 2 ft. Useful little plant for rock gardens. Bright rose-pink. **Seeds**, 35c per pkt.

8484 **Perennial Species**. Mixed. **Seeds**, 25c per pkt.

8485 **Mossy Varieties and Species**. Mixed. **Seeds**, 25c per pkt.

8486A **XHybrida Bedding Queen**. 9 in. Deep carmine flowers. **Seeds**, 25c per pkt.

8488A **XPurple Robe**. 9 in. Carmine with a purple reflection. **Seeds**, 25c per pkt.

8485A **XHypnoides**. 3 in. Dovedale Moss or Eve's Cushion. Flowers white in May and June on long stout and slender stems. **Seeds**, 25c per pkt.

8488 **XLingulata Leichtlini**. 30 inches. Bright red rock garden subject. **Seeds**, 50c per pkt.

**XCrassifolia**. 1 ft. Large clustered leaves, graceful sprays pink flowers. April-June. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

8486 **XDecipiens Grandiflora**. 18 in. Masses of white flowers. **Seeds**, 35c per pkt.

**XDecipiens (Crimson Moss)**. 4 in. Charming mossy foliage. White flowers. May-June. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

8489 **XRhei Superba**. 12 in. Rose. May-July. **Seeds**, 35c per pkt.

## SCABIOSA (Pincushion)

To those persons who are familiar with the annual sorts of Scabiosa, we need only say the perennials resemble the annuals except that the perennials have shorter florets at the center.

8490 **Caucasica Perfecta**. 18 in. Light blue flowers prettily fringed on long stem; fine for cutting. June-October. **Seeds**, 15c per pkt. **Plants**, 3 for 85c; doz., \$2.50; 100, \$15.00.

8491 **Alba**. White. **Seeds**, 25c per pkt.

8492 **House's New Giant Hybrids**. 18 in. June-Oct. Large flowers in various shades of blue and lavender. **Seeds**, 25c per pkt. **Plants**, 3 for \$1.25; doz., \$4.00; 100, \$30.00.

8494 **Columbaria Delicate Pink**. Flowers measure 2 inches across—very freely produced of a beautiful shape somewhat smaller than Scabiosa Caucasica, of a deep rosy mauve almost a rose. Deeply lacinated foliage. **Seeds**, 25c per pkt.

8493 **Delicate Lavender**. **Seeds**, 25c per pkt.

8495 **Japonica**. 2 ft. Lavender-blue flowers. September to frost. **Seeds**, 10c per pkt.

## SCUTELLARIA

8495A **XCoelestina**. Pretty blue Siberian rock plant. **Seeds**, 25c per pkt.





VERONICA Speedwell

**STATICE (Sea Lavender)**

They are stemless, the leaves springing direct from the root stock and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter use. They belong to the Thrift order.

8516 *Caspia*. The multitude of small flowers composed in spikes 2 to 3 ft. long of a tender lilac color. Seeds, 15c per pkt.

8519 *× Incana Nana Alba*. 1 ft. Small pearly white flowers on branching stems. Seeds, 15c per pkt.

8520 *Latifolia*. 2 ft. Dense branching plumes of deep blue flowers. Seeds, 10c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$25.00.

8517 *Perezii*. Rich bright blue. Seeds, 25c per pkt.

8518 *Tatarica*. White, useful for drying. Seeds, 25c per pkt.

STOKESIA (Stokes Aster)—See page 72.

SWEET WILLIAM—See page 72.

**TARRAGON**

True. Used for cooking purposes. (This variety does not produce seed.) Plants, 3 for 85c; doz., \$2.50.

**TEUCRIUM (Germander)**

8538 *× Chamaedrys*. 8 in. Grey foliage, spreading habit, small rose colored flowers. Seeds, 35c per pkt.

THALICTRUM—See page 72.

**THERMOPSIS**

8548 *Caroliniana*. 3 to 5 ft. Racemes of yellow lupin-like flowers, 6 to 12 inches long. Blooms in June and July. Seeds, 25c per pkt. Plants, 25c each.

**THYMUS (Mountain Thyme)**

Related to the ordinary thyme herb. Varieties below are much used in rock gardens for carpeting effect.

× *Citriodorus (Lemon Thyme)*. 4 in. Bright green foliage, red flowers. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8549 *× Serpyllum*. Wild Thyme. Dwarf growing perennial herb with fragrant foliage. Delights in sunny spot, creeping habit. Purple flowers. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

× *Album*. 2 in. Like coccineum but white flowers. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

× *Coccineum*. 2 in. Matted dark green foliage, dark red flowers. June-July. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

× *Lanuginosus*. 3 in. Woolly leaved Thyme, pink flowers. June-July. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

**TRADESCANTIA**

*Virginiana (Spiderwort)*. 2 ft. A native perennial. Long grass-like leaves and blue or violet flowers consisting of three sepal-like segments and three petal-like ones borne in dense umbels. May-August. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

*Heavenly Blue*. 2 ft. All summer. A new hybrid variety having large sky-blue flowers. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

*Leonora*. 2 ft. All summer. Resembles Heavenly Blue but has dark blue flowers. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

**TRILLIUM (Wake Robin)**

*Grandiflorum*. 12 in. One of the most beautiful of our native spring-flowering perennials with tuberous root stocks, and furnished with three leaves borne in a whorl, and flowers with three petal-like segments. Splendid for naturalizing in moist shaded places. Flowers are pure white. Blooms early, should be planted before April 15th. Plants, 3 for 65c; doz., \$1.50; 100, \$8.00.

**TRITOMA (Red-Hot Poker)**

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8557 *Express*. An early-flowering yellow with a red bud. Seeds, 25c per pkt.

*Grandis (Pfitzeri)*. 2-3 ft. Orange-scarlet. Aug.-Sept. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8556 *Hybrida Early-Flowering Mixed*. These hybrids will contain many interesting colors and all will flower early. Seeds, 25c per pkt.

*Royal Standard*. New. Golden yellow base, brilliant scarlet top. Plants, 75c each.

8555 *Uvaria Grandiflora*. 4 ft. August-November. The ordinary red Tritoma. Seeds, 15c per pkt.

**TUNICA**

8559 *× Saxifraga*. A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**VALERIANA (Garden Heliotrope)**

8566 *Officinalis*. 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong heliotrope odor. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8560 *Rubra*. 2 ft. Sweet-scented purple rose flowers. Seeds, 10c per pkt. Plants, 3 for 85c; doz., \$2.50.

8565 *Alba*. Pure white fragrant flowers. Flowers in June and is one of the most charming perennials. Seeds, 10c per pkt.

8564 *Mixed*. The above two. Seeds, 10c per pkt.

**VERBASCUM**

Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8567 *Olympicum*. 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. Seeds, 25c per pkt.

8568 *Hybridum, Miss Willmott*. The large white flowers are produced in stately spikes, rising to a height of 5 to 6 feet and continue from July to frost. Seeds, 15c per pkt.

8569 *Phoenixium Hybrids*. 2 ft. Bears white, purple, rose or red flowers in erect spikes in summer. Seeds, 25c per pkt.

8569A *Harkness Hybrids Mixed*. 6 ft. Immense spikes well furnished with large pure yellow flowers during the whole summer. Seeds, 25c per pkt. Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.

**VERONICA (Speedwell)**

Hardy, herbaceous perennials belonging to the Foxglove order. They vary in height from a few inches to 3 or 4 ft., and bear blue or white flowers in terminal spikes or racemes. Showy plants for sunny borders, and all of easy culture.

8571 *Amethystina*. 1 ft. June-July. Creeping foliage. Amethyst blue. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00. Two-year clumps, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

× *Armena*. 3 in. Blue. All summer. Dainty trailing stems resembling sedum. In bloom all season. Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.

8570 *Spicata*. Blue. 2 ft. July-August. Small spikes of rich blue flowers. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8570A *Spicata Rosea*. 1 ft. Pure pink. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

*Spicata Alba*. 1½ ft. White. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8575 *Perennial Varieties, Mixed*. Seeds, 15c per pkt.

8576 *Longifolia*. 2½ ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8572 *× Longifolia Hendersoni Nana*. 1 ft. Dark blue flowers freely produced. Seeds, 25c per pkt.

*Longifolia Subsessilis*. 2 ft. July-Sept. Spikes completely studded with blue flowers. A choice variety for cutting or decorative effect. Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.

8577 *× Incana*. Ageratum-blue flowers, gray foliage. 12 in., summer. Seeds, 25c per pkt. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

8578 *× Prostrata Mixed*. Blue and white. Trailer. June-July. Seeds, 25c per pkt.

8573 *× Repens*. 1 in. Useful carpeting plant. Blue flowers. May-June. Seeds, 25c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

8573A *× Rupestris*. Dwarf and spreading. Deep blue flowers. May-June. Seeds, 15c per pkt. Plants, 3 for 85c; doz., \$2.50.

8574 *× Teucrium Royal Blue*. 12 in. May-June. Prostrate foliage, brilliant blue flowers. Seeds, 15c per pkt. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**Veronica Collection No. 82**

One plant each, 5 varieties, our selection, for \$1.05.



YUCCA Filamentosa

**VINCA Minor (Grave Myrtle) ×**

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**VIOLA (Violet)**

8581 *× Bosniaca*. Free blooming, small rose magenta flowers. Seeds, 25c per pkt.

8580 *Blue Sweet*. Single, deep blue, common single violet. This should be sown in the fall, the seed will germinate the following spring and plants will bloom the year after. Seeds, 10c per pkt.

8580A *Odorata. The Czar*. A magnificent single, fine blue, long stems, very fragrant. Same culture as above. Seeds, 15c per pkt.

8583A *Gracilis. H. Copyn*. Violet, true Cornuta type, free flowering. Seeds, 25c per pkt.

8584 *× Lord Nelson*. 6 in. Glowing violet purple. April-August. Seeds, 35c per pkt.

× *Double Russian*. Deep purple blooms, very double, hardy and does well in partial shade. Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

× *Prince of Wales*. Hardy violet grows anywhere. Large single fragrant blooms. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**VIOLA CORNUTA**

For Seeds—See Color Section, and Novelty Pages.

*Admiration*. Light blue. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

*Jersey Gem*. Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut-flower. Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

*Lutea Splendens*. Rich golden yellow. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

5809A *Mauve Queen*. Violet-mauve flowers, exceedingly profuse and lasting from April to October. Seeds, 10c per pkt.

5811A *Thuringia*. Dark blue, white ground. Seeds, 10c per pkt.

*White Perfection*. One of the finest whites. Plants, 3 for 65c; doz., \$2.00; 100, \$12.00.

**WISTERIA**

8589 *Chinensis Blue*. Climber, pale green foliage with drooping clusters of purplish pea-shaped flowers. The clusters are about a foot long and freely produced. Seeds, 15c per pkt.

**YUCCA (Adam's Needle)**

8585 *Filamentosa*. 5-6 ft., or more. June-July. Has broad swordlike evergreen foliage which makes a large round clump. The flowering stalks are bare as much as 6 feet high, with large drooping creamy white flowers. It likes loose dry soil and a warm situation. Seeds, 10c per pkt.

—2-Year Plants, 3 for 85c; doz., \$2.50; 100, \$15.00.

—3-Year Plants, 3 for \$1.00; doz., \$3.50.

8586 *Glaucia Angustifolia (Soapwood Yucca)*. Long stiff narrow evergreen foliage, flowers large white or purplish. Seeds, 25c per pkt.

—2-Year Plants, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

—3-Year Plants, 3 for \$1.25; doz., \$4.00; 100, \$30.00.



# Vaughan's Irises

**PLANTS BY PARCEL POST**—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

**PLANTS BY EXPRESS**—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

The figures preceding the varieties are the exhibition rating given to them by the Iris Society, 10 being the highest rating used in judging.

Iris are the most effective if planted 3 of a kind in a clump.

## Relative Prices (except where noted)

25c varieties supplied 3 of one kind for 50c.	50c varieties supplied 3 of one kind for \$1.00.
35c varieties supplied 3 of one kind for 70c.	75c varieties supplied 3 of one kind for \$1.50.
\$1.00 varieties supplied 3 of one kind for \$2.50.	

## NEW VARIETIES AND NOVELTIES

- 8.1 **Ariadne**. 38 in. A beautiful flower of good substance; S. pure silvery light blue, with wavy edges; F. deeper blue with violet base. 50c.
- 9.2 **Asia**. 45 in. One of the most beautiful and finest Irises in cultivation. S. pale silvery lavender deepening at the base to golden yellow. F. pale reddish purple, lighter at the edges. Flowers exceptionally large. Late. 50c.
- 7.4 **Autumn King**. 30 in. A blue-purple bicolor of fine size and shape that has a habit of blooming a second time in the autumn. 50c.
- Baldwin**. 40 in. Finely formed flowers of a uniform manganese violet color. A Sass variety of gigantic size and outstanding quality. \$2.00.
- 8.4 **Caroline E. Stringer**. 33 in. Large delicate rose-flushed flowers of exceptional substance. Strong vigorous plant and free bloomer. 50c.
- 8.2 **Chasseur**. 36 in. Beautiful cream-colored buds marked with gold and brown and large, artistically formed flowers with broad standards and well-rounded falls of clear yellow, shaded lighter at the center. 50c.
- Cinnabar**. 42 in. A beautiful large flower of perfect form and deep, rich velvety red tone. Of great substance, being able to withstand rain, wind and hot sunshine without being impaired. Very vigorous and floriferous. \$1.50.
- 8.8 **Dominion**. 30 in. An outstanding Iris because of its wonderful rich coloring and extraordinary development of the falls. S. Dauphin's blue or light bluish violet; F. deep indigo-purple well expanded. \$1.50.
- 8.0 **Folkwang**. 30 in. S. light rose-pink; F. claret-red with conspicuous veining of brownish yellow, edged rose-pink. Beautiful color blend. 50c.
- Fragonard**. 36 in. An exquisite pink-toned Iris that is hard to describe. S. lustrous rose-pink; F. deeper tone. Very beautiful. \$1.00.
- 8.9 **Frieda Mohr**. 42 in. A gigantic pink toned Iris that measures 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring; very stately and beautiful and one of the very best of the "pinks." Exquisite locust-like perfume. \$1.00.
- 9.1 **Germaine Perthuis**. 36 in. An enormous, rich violet purple, self-lighted by a striking yellow beard. Flowers have a wonderful velvety appearance and are deliciously scented. A descendant of S. de Mad. Gaudichau. 75c.
- 8.5 **Jubilee**. 30 in. A large ruffled flower of extra heavy substance. S. buff or rich peach color; F. cream white, margined and flecked deep copper. 50c.
- King Tut**. 34 in. S. brown suffused with red; F. velvety glowing brownish-red. Large flowers of beautiful coloring. \$1.50.
- Labor**. 36 in. An extraordinary Iris of an absolutely new color. S. dark violet heliotrope suffused with a soft coppery glow; F. deeper shade. A beautifully colored new Iris that is highly rated in England. 75c.
- Le Corregge**. 42 in. S. light bronze suffused with lavender and rose; F. bright, dark velvety red. Orange beard. A large, finely formed flower of more brilliant coloring than Ambassador. Fragrant. \$1.50.
- 9.0 **Micheline Charriere**. 54 in. A perfect white Iris with beautiful golden reticulations. Flowers are very large, of fine form and the greatest substance, on tall firm stems. Delicious carnation fragrance. \$1.00.
- Midgard**. 36 in. One of the new varieties introduced by Mr. Sass. Exceptionally large flowers of a yellow and pink blend of indescribable beauty. \$1.00.
- 9.1 **Morning Splendor**. 48 in. S. petunia violet; F. rich raisin-purple. Gives a beautiful red effect in the garden; delightfully fragrant. 50c.
- Nebraska**. 34 in. Fine large flowers of rich apricot yellow. The standards are ruffled and the falls striped and clouded brown. Very beautiful. \$1.00.
- 9.1 **Santa Barbara**. 40 in. A gigantic light blue self of perfect form with flaring falls. An outstanding variety and one of the finest of its color. 75c.
- 9.2 **Sir Michael**. 48 in. A striking Iris, considered by many the finest blue bicolor. S. opalescent lavender-blue; F. rich deep velvety purple; brilliant red gold beard. A magnificent grower with strong widely branched stems. \$2.50.
- 9.2 **Souv. de Loetitia Michaud**. 48 in. Magnificent flowers of an attractive shade of lobelia blue, shading toward the edge to pale blue. \$1.00.
- 8.8 **Tenebrae**. 36 in. A richly colored Dominion seedling. S. deep violet-purple; F. velvety black-purple. Large finely formed flowers. 50c.
- 8.8 **True Charm**. 40 in. Fine large flowers with the margins delicately etched lavender blue. A delightful flower; fragrant. 50c.
- 8.5 **Valencia**. 30 in. A bright orange-buff, similar to the color of the Valencia orange. A very charming new color. 50c.
- 8.9 **Wm. Mohr**. 26 in. One of the most remarkable Irises ever raised. The ground color is pale lilac, the standards flushed darker, and the whole flower is beautifully veined manganese-violet. The flower is of large size, has great substance and is of perfect form. \$2.00.
- 8.7 **Yolande**. 40 in. A seedling of Souv. de Mad. Gaudichau of a wonderful shade of rich, velvety dark blue-purple. Very large flowers. 50c.

## TWENTY OF THE WORLD'S FINEST VARIETIES

- 9.2 **Ambassadeur**. 40 in. S. smoky bronze; F. dark velvety maroon. Voted by the American Iris Society the most popular Iris in the world. Late. 25c.
- 9.0 **Ballerine**. 48 in. One of the best of the light blue toned varieties. S. light violet-blue with wavy edges; F. slightly deeper. Fragrant. 35c.
- 8.4 **Dream**. 36 in. A very lovely, orchid-like flower of a soft clear pink. Of graceful Pallida habits, vigorous in growth and free flowering. 25c.
- 8.6 **Gold Imperial**. 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. A fine Iris of rare texture and form. 35c.
- 8.3 **Imperator**. 36 in. A large red toned Iris that adds a bright note to the garden. S. reddish-violet tinted buff; F. deeper shade. Late. 35c.
- 8.0 **Lady Byng**. 36 in. A beautiful Iris of exceptionally fine form and substance. Color a clear pale lavender with a slight suffusion of rose. 25c.

- 8.8 **Lord of June**. 40 in. S. flappy lavender-blue; F. rich violet-blue. Flowers exceedingly large and handsome; bold and vigorous habit. 25c.
- 8.7 **Magnifica**. 44 in. S. light purple on white; F. dark reddish purple. Flowers of heavy texture, measuring 6 inches high. Fragrant. 50c.
- 8.4 **Medrano**. 30 in. S. and F. a beautiful dark smoky claret, a very rare color. Flowers of large size. Late. 25c.
- 8.6 **Mildred Presby**. S. white; F. rich, dark, velvety pansy-violet with narrow edge of lavender white. Large flowers of clear coloring. 35c.
- 8.8 **Mlle. Schwartz**. 48 in. Lovely pale mauve flowers of exceptionally large size, borne on very tall branching stems. 25c.
- 8.4 **Mother of Pearl**. 48 in. A pale bluish lavender flower of exceptional substance and lustrous texture. A wonderful Iris; free flowering. 25c.
- 8.3 **Ochracea (Sunset)**. S. dull old gold; F. coppery yellow, tinged with purple. Flowers of wonderful coloring and artistic form. Late. 25c.
- 9.0 **Princess Beatrice**. 40 in. A selected form of Pallida Dalmatica and one of the finest of all Irises. Silvery lavender of satiny texture. 25c.
- 8.1 **Prospero**. 48 in. A vigorous tall-growing variety bearing enormous flowers of fine shape. Similar to Lent A. Williamson but of lighter coloring. 25c.
- 8.8 **Queen Caterina**. 40 in. Pale lavender violet with a smooth iridescent sheen and bright orange beard. A beautifully colored Iris. 25c.
- 8.4 **Shekinah**. 36 in. Clear soft yellow, shaded deeper through the center. One of the finest of yellow Irises and the first of Pallida growth. 25c.
- 9.1 **Souv. de Mad. Gaudichau**. 40 in. This is without a doubt the most beautiful of all the deep purple Irises. Large flowers of rich velvety purple. 25c.
- 8.5 **Susan Bliss**. 42 in. Exquisite flowers of a uniform shade of deep rose-pink with a light orange beard. Fine shape and of splendid substance. 35c.
- 8.2 **Taj Mahal**. 38 in. A very fine white of good shape and great substance borne on tall, well-balanced stalks. Vigorous grower. 25c.

**Special Offer No. 32I** One each Ambassador, Ballerine, Dream, Gold Imperial, Imperator, Lady Byng, Medrano, Princess Beatrice, Prospero, Queen Caterina, Souv. de Mad. Gaudichau and Taj Mahal (value \$3.30) for \$2.50; 3 each for \$5.10.

## STANDARD VARIETIES AT BARGAIN PRICES

Price, any of the following: 3 of one kind for 30c; 12 of one kind for \$1.00.

Alcazar	Edouard Michel	Lohengrin	Rhein Nixe
Archeveque	Empress of India	Mme. Chobaut	Rosalba
Ben Bow	Fairy	Moliere	Roseway
Caprice	Grevin	Monsignor	Rotorua
Cecil Minturn	Iris King	Mrs. W. Brewster	Seminole
Cluny	Isoline	Neptune	Sherwin Wright
Crusader	Jeanne d'Arc	Opera	Sweet Lavender
Corrida	Junia	Prosper Laugier	Troost
Dalila	La Neige	Quaker Lady	White Knight
Dejazet	Lent A. Williamson	Queen of May	W. J. Fryer

## JAPANESE IRISES (Kaempferi)

The last of the Iris Species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

- Gold Bound**. Double. White with gold-banded center. Earliest to bloom.
- Kumochi-Guma**. A very full double of dark purplish indigo. Midseason.
- Kumo-No-Obi (Band of Cloud)**. A beautiful double of pleasing lavender effect.
- Mahogany**. Large double flowers of velvety-mahogany red. Late.
- Momigi-No-Taki (Maple Waterfall)**. Bright rosy crimson feathered in white. D.
- Purple and Gold**. An enormous double of rich violet-purple with gold center.
- Sea Crest**. Six large wavy white petals with a deep blue haft.
- Uchiu**. Cerulean blue, veined white; gold center. Blooms a long time. Double.

Price of above, except where noted, each 35c; 3 for 70; 10 for \$2.00.

**Mixed Seedlings**. 3 for 30c; 12 for \$1.00; clumps, each, 35c.

**Special Offer No. 32M** One each of the above 8 named Japanese Irises for \$2.00; 3 each for \$4.00.

## DWARF IRISES

- Cristata (Crested Iris)**. Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden. 25c.
- Pumila Hybrida**. Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.
- Cyanea**. Rich royal purple with black shading. Fragrant. 25c.
- Dixmude**. S. aniline blue; F. rich crimson-purple. White throat, veined purple. 35c.
- Orange Queen**. Clear deep yellow with orange beard. 35c.
- Spring Skies**. Lovely pale blue flowers the shade of the Belladonna Larkspur. 50c.
- Schneekuppe**. Fragrant white. 25c.

## VARIOUS BEARDLESS IRISES

These varieties bloom after the German Irises are gone and before the Japanese Irises open.

- Dorothy K. Williamson**. 33 in. A rich velvety royal purple flower of intense color. One of the finest beardless Irises. Plant in moist, well-drained soil. 25c.
- Fulva**. 18 in. An interesting species with beautiful coppery red flowers in middle June. Very unusual. Likes semi-shade. 75c.
- Lord Wolseley**. 40 in. Large, handsome flowers of blue-purple color. Very hardy and vigorous. One of the best. 75c.
- Ochroleuca Gigantea**. 60 in. A giant form of Ochroleuca with large ivory white flowers marked yellow at the throat. Long slender foliage. \$1.00.
- Pseudoacorus (Common Yellow Water Flag)**. 48 in. Bright yellow. Fine for waterside planting. Will succeed where water stands or in dry locations. 25c.
- Versicolor (Common American Water Flag)**. 24 in. Showy violet-blue, remaining in bloom for a long time. Good for waterside plantings. 25c.

## SIBERIAN IRISES

The most delicate and elegant of all small-flowered Irises. They grow on tall stems, have graceful, grass-like foliage, and are excellent for cutting. Always ornamental.

- Butterfly**. 36 in. Lovely porcelain blue flowers; vigorous grower. 35c.
- Emperor**. 48 in. Large flowers of a deep, rich violet-blue. Very fine. 50c.
- George Wallace**. 46 in. Azure-blue, F. marked white. A popular early variety. 25c.
- Kingfisher Blue**. 42 in. Sky-blue flowers that are larger and more brilliant than Perry's Blue. 75c.
- Perry's Blue**. 48 in. Large, well formed flowers of a beautiful shade of sky-blue. One of the most popular and finest of Siberian Irises. 35c.
- Orientalis**. 24 in. Rich deep purple. Fine for naturalized plantings. 3 for 25c; 12 for \$1.00.
- Red Emperor**. 30 in. Wine-red, veined and shaded blue. Striking. \$1.50.
- Snow Queen**. 30 in. Large, ivory white with rich yellow blotch at the throat. 35c.
- White Dove**. 40 in. Best described as a pure white Emperor. \$2.00.
- Mixed Seedlings**. 3 for 30c; 12 for \$1.00.
- The Beardless, Japanese and Siberian Irises, unlike the Bearded Irises, prefer an acid soil and deep planting (about 2 inches.) Peat Moss is excellent to use in the beds in which they are planted.



# Vaughan's Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Pot-Grown Plants** of the newer varieties and strong roots of proper planting size as marked preceding the list of varieties. Pot plants we do not advise planting before **May 20th.** With good care and soil the pot plants make a good growth, brighter colored flowers and larger blooms. Please state if you want a substitute, should our supply of any variety become exhausted.

## Outstanding Dahlias of Late Introduction

The following can be supplied in roots and plants. Pot plants ready about May 20th.

**BUCKEYE BRIDE.** (Informal Decorative.) A truly great pink Dahlia. It is of Geranium-pink, a rare and beautiful shade. The flower is large, is always held at a correct angle on the stem, and the stems are always long and perfect. It keeps well when cut. The heavy foliage successfully resists sucking insects and mildew. The vigor is high and uniform. **Price, each, \$2.50. Plants, each, \$1.25.**

**CITY OF TRENTON.** (Informal Decorative.) An autumn colored Dahlia defying adequate description. The fact of petals, a rich glowing tangerine; reverse, crushed strawberry red. The petals curl gracefully, giving a two-toned effect. A large exhibition bloom which can be grown to 12-inch diameter. **Price, each, \$1.00. Plants, each, 50c.**

**DERRILL W. HEART.** (Formal Decorative.) Capucine-yellow shading to grenadine-red; in cool weather almost copper color. **Price, each, \$2.00. Plants, each, \$1.00.**

**DOROTHY STONE.** (Informal Decorative.) A true deep shade of pink, brighter and richer than Kathleen Norris and the substance is heavier. Very full center, petals thick and evenly placed. A profuse bloomer and a winner in the Decorative classes wherever shown; stems upright with flowers held well above the foliage. **Price, each, \$2.00. Plants, each, \$1.00.**

**DR. JOHN H. CARMAN.** (Formal Decorative.) A large, deep, broad petaled tyrian rose flower tipped petunia and silver borne on a stiff and heavy stem 11 to 18 in. long with neck of equal strength. **Price, each, \$1.50. Plants, each, 75c.**

**FORT MONMOUTH.** (Informal Decorative.) A rich crimson maroon with a hue of bluish violet at tips of petals. The flowers are well formed, full centered, and of immense size. Free bloomer and foliage is dark green. Flowers frequently 13 in. in diameter. **Price, each, \$1.00. Plants, each, 50c.**

**HELEN IVINS.** (Formal Decorative.) A beautiful orchid-lavender that was much admired the past season. The flowers are large and deep and borne on splendid stems. **Price, each, \$1.50; Plants, each, 75c.**

**KATHLEEN NORRIS.** (Informal Decorative.) Color a true rose-pink, later deepening to mallow-pink but paler in the young central petals. A bloom of gigantic proportions, petals broad and overlapping with twisted ends, full, tight center. Foliage dark green and insect proof. A great bloomer and excellent keeper. **Price, each, \$2.00. Plants, each, \$1.00.**

**KEMP'S VIOLET WONDER.** (Informal Decorative.) The predominating color is a rich Naphthalene-Violet with underlying tone of royal purple, lightening to bluish violet at tips of petals with deep lavender reverse. The strong, vigorous growing plants produce blooms of massive size on fine strong stems. **Price, each, \$1.00. Plants, each, 50c.**

**KENTUCKY.** (Formal Decorative.) A brilliant salmon-orange shading to grenadine-pink on outer petals. The plant is a thrifty grower and prolific bloomer under all weather conditions. **Price, each, \$1.00. Plants, each, 50c.**

**MONMOUTH CHAMPION.** (Formal Decorative.) Color a brilliant orange flame. Extra large blooms carried on perfect stems well above foliage. A consistent price winner in every show of any importance. **Price, each, \$2.50. Plants, each, \$1.25.**

**MONMOUTH SUNRISE.** (Decorative.) A golden yellow of good size. The flowers are deep and borne on splendid stems. **Price, each, \$1.00. Plants, each, 50c.**

**ROBERT E. LEE.** (Semi-Cactus.) Color bright luminous cardinal-red; reflex lighter. It is not only a brilliant glowing red, but it does not burn or fade. The flowers are carried from facing to upright on cane stiff stems. **Price, each, \$1.50. Plants, each, 75c.**

**THE WORLD.** (Formal Decorative.) A rich deep rosy magenta overlaid garnet and with silver shadings on the edges of the petals. The stems are perfect. Foliage heavy and resistant to insects. A splendid thrifty grower and admired very much. **Price, each, \$1.50. Plants, each, 75c.**

**THOMAS EDISON.** (Formal Decorative.) This is a dark purple with the sheen of velvet. A strong, robust grower of medium height; has dark green, leathery foliage which does not seem to be attacked by insects. The stems are cane-like and the large flowers are freely produced. **Price, each, \$2.00. Plants, each, \$1.00.**



KENTUCKY

**TREASURE ISLAND.** (Formal Decorative.) A bright autumn shade combination of apricot and gold with a rose suffusion. The habit of plant is ideal, being strong and vigorous with perfect stems. **Price, each, \$1.50. Plants, each, 75c.**

## Formal Decorative Dahlias

The following can be supplied in roots only:

**AMUN RA.** A beautiful blending of copper, orange and scarlet. Large size on stiff stems. **Price, each 50c.**

**BARBARA REDFERN.** Color is a delightful blend of old rose and old gold, immense size and great depth, flowers borne on heavy stiff stems. **Price, each, 75c.**

**CHARM.** Burnt orange, shading to yellow; strong stems, free-flowering and a good keeper. **Price, each, 35c.**

**ELLINOR VANDERVEER.** A rich glowing satiny rose-pink. The large blooms are of great depth carried on long stems. **Price, each, 35c.**

**ELITE GLORY.** The blooms are a brilliant red, borne on long heavy stems. One of the finest among the exhibition varieties. **Price, each, 75c.**

**GROVER WHALEN.** Autumn color of rich orange, with tints of bronze. Foliage dark green and leathery. Stems upright and straight. **Price, each, 75c.**

**HARRY MAYER.** Color is a silver-lavender with the reverse of the petals deep lavender. Sturdy growing habit and heavy texture. **Price, each, 75c.**

**HERCULES.** A giant bloom of tangerine and deep yellow with reverse of petals a deep tangerine. **Price, each, 50c.**

**IMPROVED JACK ROSE.** Bright crimson-red with a touch of violet. **Price, each, 35c.**

**JACK ROSE.** Bright carmine-red over-laid violet, resembling the color of the rose of the same name. A splendid variety. **Price, each, 25c.**

**JERSEY'S BEACON.** The color is Chinese-scarlet with a paler reverse giving a two-toned effect. Flowers are very large and globular in form. It is a prolific bloomer and vigorous grower. **Price, each, 75c.**

**JERSEY'S BEAUTY.** Probably the most talked of dahlia during the past seasons. It is still in a class by itself. A perfect bloom of eosine pink, carried high above the foliage on a long, wiry stem. A perfect true pink. **Price, each, 50c.**

**JUDGE ALTON B. PARKER.** A coppery salmon with a golden hue. A large perfect flower the entire season; fine stems; good for all purposes. **Price, each, 35c.**

**KITTY DUNLAP.** Pure cerise-rose. A large, fine flower. A free bloomer on long stiff stems. **Price, each, 35c.**

**MR. CROWLEY.** A plant of dwarf habit having blooms of a glowing salmon-pink with yellow at the base of the petals. **Price, each, 35c.**

**MRS. IDE VER WARNER.** A refined mauve-pink beautifully formed. Large blooms carried on long strong wiry stems. A free continuous bloomer. **Price, each, 25c.**

**MYRA VALENTINE.** Golden bronze-salmon. Large flowers and a good keeper. **Price, each, 50c.**

**OLGA KUDLICK.** Light lavender-pink. Strong vigorous grower with heavy foliage. **Price, each, 75c.**

**PEGGY ROLAND.** Salmon-pink with orange, yellow and gold blending. Large flower on strong stems. **Price, each, 35c.**

**POLAR BEAR.** A pure white of splendid form which will stand the sun. **Price, each, 35c.**

**ROSE FALLON.** Color dark orange tinted with amber and salmon. Massive blooms stand well above a vigorous growing bush. **Price, each, 75c.**

**SAGAMORE.** An exceptionally fine exhibition or cut flower of a golden color, shaded toward the center with warm salmon-rose or orange-buff. Stems straight and stiff. **Price, each, 35c.**

**STORM KING.** Pure white, free bloomer, plant covered with flowers. **Price, each, 25c.**

**F. A. LEONARD.** A brilliant rich cerise-rose. A large flower on perfect stem very free bloomer. **Price, each, 50c.**

**SPECIAL OFFER—(No. 84).** One each Barbara Redfern, Jersey's Beacon, Jersey's Beauty, Mrs. Ide Ver Warner and Sagamore in strong roots, postpaid to 5th **\$2.25** zone for.....

## Informal Decorative Dahlias

The following can be supplied in roots only:

**AL. KORAN.** A large golden yellow petals slightly waved. **Price, each, 35c.**

**AVALON.** Pure, clear yellow. The large flowers are very distinct and pleasing in shape, always full to the center and produced in great abundance on strong stems. **Price, each, 50c.**

**CLAUDE HARLAN.** Large flower of a beautiful, clear lavender. The petals have a soft wavy appearance. **Price, each, 35c.**

**JANE COWL.** A large flower of a warm buff and old gold blending to a bright salmon at the center. The giant flowers are held aloft on rigid stems. A superb dahlia in every way. **Price, each, 75c.**



**DAHLIAS: Informal Decorative—Continued**

- JEAN KERR.** Pure white, of a fine form, a profuse bloomer on stiff stems. Fine cut flower variety. Price, each, 35c.
- JERSEY'S SOVEREIGN.** Salmon orange of good size on strong stems. Price, each, 50c.
- JUDGE MARCAN.** The color is a combination of glowing salmon-pink, red, iridescent orange-yellow and gold all blending most harmoniously. A very free bloomer. Price, each, 50c.
- MARGARET WOODROW WILSON.** Face of petals creamy white, reverse Phlox-pink. Petals broad and well placed, terminating in points, strong upright stems dark green foliage. Medium height bush. Price, each, 35c.
- MARMION.** It is a pure golden yellow with a bronze suffusion on the reverse of the petals. The flowers are massive and have a great depth, produced very freely on long cane-like stems. Price, each, 25c.
- MINA BURGLE.** Flowers of gigantic size. A most glowing brilliant scarlet. Price, each, 25c.
- MRS. ELEANOR MARTIN.** A beautiful mulberry with golden suffusion. The form is of best exhibition type. Very large flowers can be grown to ten inches in diameter on stiff long stems. Price, each, 50c.
- PRIDE OF STRATFORD.** A large two-tone orange variety with a very deep reverse. Vigorous growing plant. Price, each, 75c.
- PURPLE KING.** A deep purple of medium size, early and profuse bloomer. Flowers carried well above foliage on wiry stem. Price, each, 25c.
- ROSA NELL.** Pure bright rose, so rich, strong and rare that in color it stands alone. Strong stem and good keeping qualities. Price, each, 35c.
- SANHICAN'S BLUEBIRD.** The color is a most uncommon shade. The outer petals at maturity are bright violet-blue, while the center retains the violet tint, the nearest approach to a Blue Dahlia. Price, each, 75c.
- SYLVIA.** White, shading to soft pink on the outer petals. Price, each, 25c.
- YANKEE KING.** Strawberry pink centers spinal red with rose red reverse. Blooms large on long fine stems. Price, each, 75c.
- SPECIAL OFFER—(No. 85).** One each Avalon, Jane Cowl, Margaret Woodrow Wilson, Mina Burgle, Mrs. Eleanor Martin and Rosa Nell in strong roots, postpaid to 5th zone for..... **\$2.35**

**Semi Cactus Dahlias**

- The following can be supplied in roots only:
- ALICE WHITTIER.** This splendid variety is a very delicate shade of primrose-yellow. The flowers are immense in size, with good strong stems. Price, each, 50c.
- AMBASSADOR.** Its color is a soft yellow at the center with salmon, amber and pink shadings, gradually deepening toward the tips and outer floral rays. Price, each, 50c.

- CIGARETTE.** In color it is creamy white, heavily edged with pomegranate-red, but it varies greatly, no two flowers being exactly alike. Price, each, 50c.
- F. W. FELLOWS.** An intense coral-red, a deeper suffusion at the center. Flowers of unusual size. Price, each, 50c.
- JERSEY'S RADIANT.** An exceptionally appropriate name; a radiant Dahlia of bittersweet-orange, produced on long, stiff stems held well above the foliage. Price, each, 50c.
- PAPILLON.** A highly rated cactus Dahlia. It is of beautiful formation and coloring, being a blend of old rose and gold. Price, each, 50c.
- SPECIAL OFFER—(No. 85A).** One each of the above 6 Dahlias in strong roots, postpaid to 5th zone for..... **\$2.50**

**Straight Cactus Dahlias**

- The following can be supplied in roots only:
- BERTHA HORNE.** Deep orange-yellow tinted with apricot, the later color predominating in many of the flowers. Price, each, 50c.
- COUNTRESS OF LONSDALE.** A delicate apricot shading towards the edges of the petals to carmine-pink. Early and one of the very best. Price, each, 25c.
- ELITE GEM.** Free-blooming on strong stiff stems. Color, spinal-pink blush on primuline-yellow at base; reverse of petals, roseline-purple exceedingly attractive. Price, each, 75c.
- ESTHER HOLMES.** A deep lavender-pink. One of the best of the hybrids for cut flowers. Blooms freely, produced on long, stiff stems. Price, each, 35c.
- GLADYS BATES.** Very large perfect flowers, with incurved petals of a golden salmon, the reverse of the petals being rose, the two colors giving the effect of a golden old rose. Price, each, 50c.
- J. H. JACKSON.** A perfect gorgeous deep, velvety, blackish maroon. Gigantic in size. Every Dahlia lover should grow this variety. Price, each, 25c.
- KALIF.** Color a pure scarlet. The gigantic flowers are held erect on strong, stiff stems. Price, each, 50c.
- SPECIAL OFFER—(No. 85B).** One each of the above 7 Dahlias in strong roots, postpaid to 5th zone for..... **\$2.65**

**Show Fancy Dahlias**

- The following can be supplied in roots only:
- A. D. LIVONI.** A beautiful soft pink flower with quilled petals. Price, each, 25c.
- DREER'S WHITE.** Glistening white, of good form. Free-flowering. Price, each, 25c.
- ELSIE BURGESS.** Lavender-pink, of good size and form. A general favorite. Price, each, 25c.
- GOLD MEDAL.** A Dahlia with autumn coloring, deep yellow, regularly striped and tipped dark crimson. A striking flower. Price, each, 35c.

- MARS.** Bright scarlet, well formed flowers. Price, each, 35c.
- MAUDE ADAMS.** A pure snowy white, very effectively overlaid clear delicate pink. Price, each, 25c.
- MRS. C. D. ANDERSON.** Rich, clear purple. Large flowers, almost round in form. Price, each, 35c.
- MRS. JOHN BOWMAN.** Large, golden yellow. Free bloomer with long, strong stems. Price, each, 35c.
- YELLOW DUKE.** A splendid primrose-yellow of good form and strong stem. Price, each, 25c.

**SPECIAL OFFER—(No. 85C).** One each of the above 9 Dahlias in strong roots, postpaid to 5th zone for..... **\$2.40**

**Pompon Dahlias**

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

The following can be supplied in roots only:

- CATHERINE.** Bright yellow. Good form and stem.
- EUREKA.** Yellow shading to bronze.
- HEDWIG POLLWEG.** Indian-red with occasional blotches of white.
- JANET.** Glistening golden bronze.
- JESSICA.** Rich, golden yellow tipped red. Very early flowering.
- LITTLE BEAUTY.** Soft, mauve-pink.
- LITTLE IRENE.** Light yellow.
- LITTLE HERMAN.** Deep red, tipped white; very free.
- NELLIE FRAZER.** Light ground tipped rose.
- ROSA WILMOUTH.** Small fine formed rose-pink.
- SNOWCLAD.** The best pure white pompon.
- SUNSET.** Brilliant orange-scarlet.
- VIVID.** Bright scarlet, very fine.
- YELLOW GEM.** A perfect neat, bright yellow.

PRICE, Any of the above, each, 25c.

**SPECIAL OFFER—(No. 85D).** One each of the above 14 Dahlias in strong roots, postpaid to 5th zone for..... **\$3.00**

**SPECIAL OFFER—(No. 85E).** One each Catherine, Little Beauty, Nellie Frazer, Sunset and Yellow Gem, postpaid to 5th zone for..... **\$1.00**

- SINGLE DAHLIA, AMERICAN GEM.** A brilliant geranium-red with heavy cluster of deep yellow stamens in the center. Beginning to bloom early and continues until frost. Ideal for cut blooms, flower beds or border planting. Price, each, 25c; doz., \$2.50.
- UN-NAMED DOUBLE DAHLIAS.** Undivided field clumps in white, pink, yellow, red or variegated, good sorts. Price, each, 35c; doz., \$3.00, by express.
- MIXED SINGLE AND DOUBLE DAHLIAS.** Undivided field roots. Price, each, 25c; doz., \$2.50, by express.

**DAHLIA TUBERS.** In white, pink, yellow, red or purple. Price, each, 15c; doz., \$1.50, postpaid.

# Vaughan's Hardy Phlox

THIS is one of the most useful flowers for summer decorations. Once planted, they require no further attention for several years, but it is advisable to divide them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 feet. Our list contains the finest of the new introductions. All Phlox supplied in one-year-old field roots except where noted.

- Baron Von Dedem.** Brilliant orange-scarlet with carmine eye. Immense trusses. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Beacon.** A very fine brilliant bright cherry red. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Bridesmaid.** Pure white with large crimson-carmine eye. 3 for 85c; doz., \$2.50; 100, \$15.00.
- B. Comte.** Wine-purple, satiny sheen. Large heads. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Champs Elysees.** Dwarf, dark rosy magenta almost purple. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Enchantress.** An improved Elizabeth Campbell. Light salmon pink with dark eye. 3 for \$1.25; doz., \$4.00; 100, \$25.00.
- Ethel Pritchard.** Striking mauve or orchid shade. Large florets. 3 for \$1.25; doz., \$4.00; 100, \$25.00.
- Europa.** Large white blooms with small red center dot. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Goliath.** Bright light purple with a red eye. Strong and vigorous. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- La Vague.** Pure mauve with aniline-red eye. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Le Mahdi.** Immense dark purple flowers, medium height. Has a tendency to bleach in strong sun. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Lord Raleigh.** Deep mauve. Blooms late. Choice. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Mia Ruys.** Dwarf, pure white, very large trusses. One of the best dwarf varieties. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Miss Lingard (Suffruticosa).** Pure white; the earliest of all. Blooms good for cut flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Mrs. Chas. Dorr.** A tall, vigorous blue-mauve or lavender. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Mrs. Jenkins.** Early variety of medium height producing immense panicles of pure white flowers. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Mrs. Milly Von Hoboken.** Pure soft pink without eye, large flower on long erect stems. 3 for \$1.25; doz., \$4.00; 100, \$25.00.
- Obergartner Wittig Midseason.** Enormous heads of large lilac-rose flowers with a lighter circle around a crimson eye. Medium height. 3 for \$1.25; doz., \$4.00; 100, \$25.00.

- Rheinlander.** A rare shade of salmon-pink intensified by a distinct claret-red eye. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Riverton Jewel.** A lovely mauve-rose illuminated by a brilliant carmine-red eye. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- R. P. Struthers.** Rosy carmine shaded orange-scarlet. 3 for \$1.00; doz., \$3.50; 100, \$20.00.
- Salmon Queen.** A true, clear, salmon-pink of large size. Vigorous and robust grower. 3 for \$1.25; doz., \$4.00; 100, \$25.00.
- Special French.** Beautiful blush pink with a salmon eye. Enormous flowers and trusses similar to Hydrangeas. Strong, tall grower. 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- Thor.** A lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. A splendid variety. Late with tall vigorous growth. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Von Hockberg.** Large size blood red blooms. The best deep red. 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- MIXED.** 1 year field-grown plants of a choice mixture of colors. 3 for 65c; doz., \$2.00; 100, \$12.00.

**Collections**

- Special Offer: No. 87.** One each of 10 varieties, our selection. All distinctly labeled for \$2.25, prepaid.
- Special Offer: No. 87A.** One each of 6 varieties (six plants), our selection. Distinctly labeled for \$1.50, postpaid.
- Special Offer: No. 87B.** Two plants each of 3 varieties (six plants), three distinct colors, our selection, for \$1.40, postpaid.

**Dwarf and Alpine Phlox**

Used in rock gardens, for ground covers, for borders and interplanting.

- Amoenia.** Charming native variety, bright pink flowers. 6 in. April-May. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Divaricata Canadensis.** A native species worthy of extensive planting. Blooms early April. Fragrant lavender flowers on stems 10 inches high. Prefer shade. 3 for 65c; doz., \$2.00; 100, \$12.00.

**MISS VON LASSBERG**

- Ovata (Carolina).** Rosy red flowers. 12 in. June-July. Same foliage as the late blooming sorts. 3 for 85c; doz., \$2.50; 100, \$15.00.
- Subulata Alba.** Prostrate foliage, dainty white flowers in May and June, height 4 in. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Subulata Atrio-Purpurea.** A new variety. Dwarf, compact foliage, brilliant purple flowers in May. Height 4 in. 3 for \$1.50; doz., \$5.00; 100, \$35.00.
- Subulata Lilacena.** Moss-like foliage of prostrate growth completely covered with pale lilac bloom in May and June. Height 4 in. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Subulata Rosea.** Same as above, but with dainty pink flowers. This and Alba are fine for graves. 3 for 65c; doz., \$2.00; 100, \$12.00.
- Subulata Vivid.** Similar to Subulata Rosea but more dwarf in growth and most profuse bloomer of all types. Bright pink with fiery red eye. 3 for \$1.00; doz., \$3.50; 100, \$20.00.





MME. CAROLINE TESTOUT



RADIANCE



DAME EDITH HELEN



MARGARET McGREDY

# Vaughan's Garden Roses

## HYBRID TEA (or Everblooming) ROSES

A Select List of Reliable and Hardy Varieties.

These Hybrid Tea Roses include the best of the outdoor bedding varieties. They possess the hardiness of the hardy Perpetual Roses and the free blooming habits of the Tea Roses. They are the most popular and useful of all Roses, supplying an abundance of beautiful flowers clear up to severe freezing weather. In severe winter climates they need complete winter protection.

Price of the following varieties:  
Dormant Roses, 10 for \$4.50; each 50c

Pot Plants, 10 for \$6.50.  
Each ..... 75c

**DAME EDITH HELEN.** (A. Dickson & Sons, 1926.) A clear pink rose of large size and full petaled. Strong and active in growth, giving an abundance of fine big blooms. Buds are shapely and substantial, opening to superb clear pink flowers.

**GENERAL MACARTHUR.** Rich crimson-scarlet, well-shaped flowers and very fragrant. Good disease-resistant bedding rose.

**GRUSS AN TEPLITZ.** Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties.

**HADLEY.** Large full blooms, rich velvety crimson-scarlet. Very fragrant and free blooming.

**KAISERIN AUGUSTE VICTORIA.** Well formed creamy buds developing slowly to snowy white blooms of perfect form.

**MARGARET McGREDY.** Comparatively new and is a striking variety. Large Oriental red blooms, rich color and vigorous, bushy growth.

**MME. BUTTERFLY.** A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold.

**MME. CAROLINE TESTOUT.** Large flowers of satin rose, shaded lighter towards the edges of enormous petals. A persistent bloomer.

**MRS. A. R. BARRACLOUGH.** A large pink rose with clear light yellow shading at base of petals. Beautifully formed and unusually fragrant. It is a good bedding rose, being of large size, fine color and good shape.

**MRS. ERSKINE PEMBROKE THOM.** (Howard & Smith, 1926.) An unfading yellow with dark healthy foliage. Slender yellow buds opening to well shaped canary yellow blooms, deepening in the center. A satisfactory rose for bedding.

**MRS. LOVELL SWISHER.** (Howard & Smith, 1926.) A gorgeous salmon pink and gold rose, tinted flesh pink at edges of petals. Notable for size and beauty of blooms, also free habit of growth. Color is mainly pastel shades but desirable for contrast against the more vivid varieties.

**RADIANCE.** Brilliant rosy carmine, shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer.

**RED RADIANCE.** Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. A fine variety for outdoor planting.

**SOUVENIR DE CLAUDIUS PERNET.** Flowers sunflower-yellow, unfading even in the warmest weather; foliage brilliant green. It was awarded the Gold Medal at the Bagatelle Garden trials in 1920 and in the same year also received Gold Medals at the Rose Show in Paris and Antwerp.

**SUNBURST.** The color is intense orange-copper and golden yellow. Buds, long and pointed, opening full and double.

## POT PLANTS

For spring planting pot grown roses are acknowledged to be the best. These 2 year field grown roses, which we put in pots in January and grow in cool greenhouses. By May they are in full leaf, possibly showing buds, and the roots are well established in a ball of soil. Planting is easy and there is no check in growth. These pot grown Roses will give earlier blooms and grow better than any other method of spring planting. Pot grown roses not ready till May 1st.

## DORMANT

Some may prefer dormant plants for the following reasons: They may be planted earlier, they may be shipped by parcel post rather than by express, at a substantial saving where the distance is considerable. The planting of dormant roses in the Middle Western States should be done early in April.

## HYBRID TEAS—Continued

**TALISMAN.** (Montgomery Co., 1929.) A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals. The outside of the petals is bright yellow, gold and pink; unfolding they become bright apricot, gold and deep rose pink. As the bloom ages these colors become brighter.

## DWARF POLYANTHA ROSES

These are entirely distinct from the larger flowered sorts, as flowers are borne in clusters of from 10 to 25 individual flowers. If planted in masses of 25 or more together, will make a very effective border or bed.

Price of the following varieties:  
Dormant Roses, 10 for \$4.50; each 50c

Pot Plants, 10 for \$6.50.  
Each ..... 75c

**CECILE BRUNNER.** (The Sweetheart Rose.) The charm of this variety is in its beautifully proportioned buds and half open flowers. Soft, rosy pink on a background of creamy white.

**CRIMSON BABY RAMBLER.** Still a favorite. Flowers in clusters of 30 to 40; the foliage dark and glossy. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

**GOLDEN SALMON.** New. Large clusters of striking reddish orange flowers, a striking color. Strong, vigorous grower.

**IDEAL.** An intense rich lustrous garnet. The flowers are not large but are produced in very large trusses and are very effective.

**MARYTJE CASSANT.** Pleasing pale salmon pink. Double flowers in dainty sprays. Very compact in growth and makes a wonderful contrast with the darker colors.

**ORLEANS ROSE.** Brilliant geranium-red, suffused rose and deep cerise. Bushy habit; grows and blooms freely; florets not crowded, but of beautiful arrangement and most lasting quality with their stiff, paper-like texture.

**GLORIA MUNDI.** An outstanding variety, newly introduced. Full double flowers of the most brilliant orange scarlet imaginable. Continuous bloomer and gives a rich colorful effect.

Dormant, each 75c; 10 for \$7.00.  
Pot Plants, each 85c; 10 for \$7.50.

## NEW PATENTED HYBRID TEA ROSES

**COMTESSE VANDAL.** (U.S. Patent applied for.) The sensational winner of medals and trophies at European Rose Shows. Perfect pointed buds, opening to large blooms. A novel coppery bronze, Salmon and gold combination.

Dormant, each, \$2.00. Pot Plants, each, \$2.50.

**SOUVENIR.** (Golden Talisman.) (U.S. Plant Patent No. 25.) A golden yellow rose of great beauty, possessing the characteristics of the famous Talisman, from which it originates.

Dormant, each, \$2.00. Pot Plants, each, \$2.50.

## FAMOUS NEW HYBRID TEAS

Price of the following varieties:  
Dormant Roses, 10 for \$6.50; each 75c

Pot Plants, 10 for \$8.50.  
Each ..... \$1.00

**E. G. HILL.** (E. G. Hill Co., 1929.) A new red rose of striking form and color. Long, perfectly formed buds opening to high centered, full double flowers of dazzling scarlet, shading to deeper red as they develop. Free flowering, vigorous.

**EDITH NELLIE PERKINS.** (A. Dickson & Sons 1928.) A unique rose of many pastel shades. Buds long and pointed petals cream and blush and salmon pink shaded to golden orange at base. Robust growth and produces flowers in abundance.

**JOANNA HILL.** (J. H. Hill Co., 1928.) A new yellow rose with an orange heart. Vigorous in growth, and blooms are borne singly on long, strong stems. The buds are large and long pointed. A vigorous habit of growth shows it will be of merit as a bedding rose.

**PRESIDENT HERBERT HOOVER.** (L. B. Coddington, 1930.) A charming many colored rose. Deep copper red buds of fine form, opening to a lovely blending of orange yellow, flame, vivid rose-pink, and scarlet. Buds of superb sharp flowers large, and fragrant. A dazzling color effect to delight the eye.

## Price of the following two varieties:

Dormant Roses, each \$1.00; 10 for \$9.00.  
Pot Plants, each \$1.15; 10 for \$10.00.

**AUTUMN.** (Coddington, 1928.) Unique coloring, burnt orange streaked and marked with red. Medium size bud, developing to double fragrant bloom.

**OLYMPIAD.** (Pernet-Ducher, 1932.) A lustrous, dark oriental scarlet, its depth of color intensified by the golden base and a rich velvety sheen. Blooms are magnificent at every stage.

## VAUGHAN'S SPECIAL ROSE COLLECTION

COLLECTION No. 86B—TWELVE HYBRID TEA ROSES

(Our selection of 12 choice Hybrid Tea roses, one each of 12 different varieties.)

Dormant \$4.75 Pot Plants \$6.95

All roses are F. O. B. Western Springs, Illinois. Dormant go by Parcel Post, Pot Plants by Express.



# Hardy Climbing Roses

Climbing roses have been constantly in demand, for vines are needed to decorate every home and when such also produce roses, the pleasure is magnified many fold. They are used as screen planting and in borders or for beautifying the unsightly; for ornamenting terraces, banks, rockeries, old stumps or boundary fences; and for covering archways, arbors, pergolas and summer-houses.

## NEW PATENTED CLIMBING ROSES

**BLAZE.** (The new hardy Everblooming Scarlet Climber.) (U.S. Plant Patent No. 10.) A marvelous, hardy, everblooming scarlet-red rose, combining the bloom and growth of Pauls Scarlet Climber with the everblooming character of Grussan Teplitz. Blooms are double, often 4 inches diameter and plant is a vigorous climber. A rose destined for enormous popularity.

Dormant, each, \$2.00. Pot Plants, each, \$2.00.



**THE NEW DAWN.** (The Hardy Everblooming Dr. Van Fleet.) U. S. Plant Patent No. 1, dated August 18, 1931. The first patented rose and the first everblooming climbing rose. A sport from Dr. Van Fleet having same habit of growth. The delicate flesh pink flowers are fragrant and open to large blooms. The foliage is a bronze-green and it is a strong, vigorous grower.

Dormant, each, \$1.50. Pot Plants, each, \$1.75.

## HARDY HYBRID PERPETUAL ROSES

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure or leaves is very advantageous, and necessary near and north of Chicago.

Price of the following varieties:  
Dormant Roses, 10 for \$4.50; each, 50c  
Pot Plants, 10 for \$6.50; each, 75c

**FRAU KARL DRUSCHKI (WHITE AMERICAN BEAUTY).** Pure white, long, immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

**GEN. JACQUEMINOT.** Bright shining crimson, shapely buds, fragrant. The Jack Rose is noted for its good qualities.

**GEORG ARENDS.** Pointed buds and blooms of pure soft pink, delicately perfumed. Very vigorous grower with good foliage.

**PERSIAN YELLOW (AUSTRIAN BRIAR).** The Hardy Yellow Rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and among shrubs.

**MAGNA CHARTA.** An old favorite. Very double flowers, bright pink suffused carmine and heavily perfumed. Strong grower. Profuse bloomer.

**MRS. JOHN LAING.** Very free-flowering, commencing to bloom early in the season and continues to bloom profusely until late autumn. A soft delicate pink with a satiny sheen; very fragrant, fully double.

**PAUL NEYRON.** This magnificent rose is by far the largest variety in cultivation. Very double and full, deep rose and delightfully fragrant.

**ULRICH BRUNNER.** A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open.

Price of the following varieties:  
Dormant Roses, 10 for \$4.50; each, 50c  
Pot Plants, 10 for \$6.50; each, 75c

**AMERICAN PILLAR.** Large, flowers of bright crimson, with a clear white eye surrounding numerous golden yellow stamens. These flowers fade to an agreeable light pink and are in great clusters.

**CLIMBING AMERICAN BEAUTY.** A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season. Very fragrant.

**CHAPLIN'S PINK CLIMBER.** Introduced in 1928, winning highest place in English National Rose Society's Spring Show. Lively pink blooms in clusters of 8 to 12 large and shapely flowers. A strong grower and excellent climber. One of the best new climbing roses.

**CRIMSON RAMBLER.** Scarlet red flowers borne in sprays. Vigorous grower. One of the best for covering a trellis, porch or unsightly fence.

**DOROTHY PERKINS.** Beautiful shell-pink double flowers in large clusters. Strong, vigorous grower, attaining a length of 20 feet in one season.

**DR. W. VAN FLEET.** The delicate flesh-pink flowers are full and double, of immense diameter; sweetly perfumed; beautiful bronze-green foliage.

**EUGENE JACQUET.** The earliest of all the climbers. Fragrant cherry-red flowers; handsome dark green foliage.

**EXCELSA.** Flowers very double, produced in large trusses, thirty to forty on a stem; intense crimson-maroon. Vigorous.

**GARDENIA.** Buds yellow, creamy white flowers with yellow centers. Vigorous and very hardy.

**PAUL'S SCARLET CLIMBER.** A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy.

**PRIMROSE.** A pure yellow, hardy climbing rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant, with beautiful foliage. Very new and we believe the most satisfactory yellow climber for the north.

**WHITE DOROTHY.** A white form of Dorothy Perkins. Large clusters of double white flowers.



CLIMBING AMERICAN BEAUTY

Price of the following variety: Dormant  
Roses, each, 75c; 10 for \$7.00.  
Pot Plants, each, \$1.00; 10 for \$10.00.

**MME. GREGOIRE STAEHELIN.** This new variety is the aristocrat of the climbing roses. Its beautiful flowers are of enormous size and are followed by attractive fruits as large as small seckle pears. The blooms are unmatched, being of an iridescent pearl-pink, splashed with carmine. Delightfully fragrant. Hardy vigorous grower with large, disease-resistant foliage.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux Mixture for insects and fungi will be found beneficial. They thrive best with application of manure water, and at least two applications of bone meal (two pounds per square yard) prior to blooming time. Roses in general do not like to be near trees and shrubs so are grown by themselves.

# Strawberry Plants

Strong Field Grown Plants, Shipped from Early Spring up to May 15th.

Our plants are grown under ideal conditions in Michigan. They have been developed from selected plants.

Write for pamphlet on Strawberry Culture.

All varieties listed are perfect sorts, are self-pollenizing and will bear as well if set by themselves.

**AROMA.** Late. One of the most popular late varieties. Fruit large to very large; holds its size well throughout all the pickings. Berry is roundish, conical, smooth and perfect in form and of a beautiful bright glossy red in color; very firm and of high quality.

**DR. BURRELL.** Mid-season. The berries are large, delicious and beautifully formed. The surface of the berry is a deep glossy red. The meat is solid. If you are looking for a good dependable all-purpose variety you will make no mistake in planting Dr. Burrell. It ripens a few days earlier than Dunlap.

**COOPER.** Mid-season. The large size and the beautiful brilliant color of the berries immediately attracts the attention of every one, but the greatest feature of all is that peculiar mild, delicious flavor not found in any other Strawberry. Due to the wonderful vigor of the plant this variety is adaptable to a wider range of soils and climate than any other variety.

**GIBSON.** Medium early. Berries are large and regular in shape holding their size well to the end of the season. Color rich red. Flavor is neither sweet nor sour, but just right for canning. Extremely productive. It makes a strong, vigorous plant that withstands adverse conditions admirably.

**HARVEST KING.** Medium early. It follows Premier with enormous crops of finest quality, deep red berries. For home canning or marketing this variety is unexcelled. The plants are strong, heavy growers of great vitality, resistant to drought, frosts and thriving on a wide range of soils.

**PREMIER.** Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper. The deep heavy rooting system makes the plant a strong drought resistor, and it is especially adapted to any soil or climate. Where extra fancy early fruit is wanted we advise this.

**SPECIAL OFFER No. 87.** A Strawberry collection, 100 fine strong plants (Spring delivery only) in four good sorts, our selection, postpaid, for \$1.70.

**SENATOR DUNLAP.** Mid-season. The fruit is dark red with glossy finish, shading to a deep scarlet on the underside. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as with the veteran grower—but it should not be allowed to mat too thickly. For a medium sized productive early to mid-season berry you need not hesitate to plant Dunlap.

Price, on the above varieties, postpaid up to the 4th zone, 25 for 60c; 100 plants for \$1.75. Postpaid before 4th zone to 8th zone, 25 for 70c; 100 for \$2.00. By express, at buyer's expense, 100 for \$1.75; 500 for \$6.50; 1,000 for \$12.00. Write for prices on larger lots.

## The Leading Everbearing Varieties

**CHAMPION.** A strong, healthy, deep-rooted plant, very productive. Fruit similar to Dunlap in size, shape and color. A beautiful rich red color clear through, good quality and delicious flavor. In addition to the wonderful fall crop produced by the Champion they are the earliest to ripen in the spring.

Price, 25 for \$1.00, 50 for \$1.65, 100 for \$2.75, postpaid to 4th zone; 250 for \$6.00, 500 for \$10.00, 1000 for \$18.00, by express.

**MASTODON.** The world's greatest everbearer because nothing like it was ever achieved before, producing nearly 6000 quarts per acre during August, September, October and November. In size, quality, flavor and appearance Mastodon heads the list. Unlike other everbearers, the plants of Mastodon are large, vigorous, heavily crowned and deep rooted.

Price, 25 for \$1.25, 50 for \$2.00, 100 for \$3.25, postpaid to 4th zone; 250 for \$7.00, 500 for \$12.50, 1000 for \$22.00, by express.

All roses are F. O. B. Western  
Springs, Illinois. Dormant go  
by Parcel Post, Pot Plants  
by Express.



# Garden Chrysanthemums



ALL CHRYSANTHEMUMS need the protection of a heavy mulch and they are benefited by being annually divided in the spring. Winter damage is chiefly from heaving. The clumps grow on the outside and grow old in the center; and frost action lifts their shallow roots. If each spring one divides the roots, planting the younger growth firmly in new locations, the stock will be multiplied and earlier and more vigorous flowers will result. Sturdy plants, pot grown in our own greenhouses, F.O.B. Western Springs, Ill. We recommend parcel post shipment; weight, 6 ounces per plant. Chrysanthemums that would flower successfully in the open garden have been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow 2 to 4 feet high, in any good garden soil.

## Large-Flowered

### Outdoor Type As Illustrated

- \*A. BARHAM. A beautiful orange bronze, flowers 2 in. across. Matures Oct. 5.
- IDOLF. Flesh pink, always a heavy bloomer. Flowers about Oct. 12th.
- \*CARRIE. Deep yellow flowers in clusters. Commences blooming in August and continues until frosts.
- \*CRANFORDIA WHITE. Pure white flowers, solid and on long stems. Blooms Oct. 15.
- \*EDEN. Bright rose in graceful sprays. Flowers Oct. 5.
- \*FIREFLY. Reddish bronze, almost maroon. Large blooms commencing Oct. 12.
- \*MURILLO. Pale pink, begins to flower Oct. 1st. Profuse bloomer, fine for cutting.
- WOLVERINE. Very early, flowering about the same time as Carrie in late August and continues till frosts.
- \*YELLOW NORMANDIE. One of the best. A deep yellow showing buff when opening. Hardy, blooms from Oct. 1 to severe frosts.
- ZELIA. Deep buff blooms of large size. Flowers in mid October.

Prices of above Large Flowered Type, 3 for 85c; doz., \$2.50; 100, \$15.00.

### Button Type

- BESSIE BROWN. Warm Chestnut bronze. Very effective with yellow. Blooms Oct. 15.
- METZI. Bronze, darker center. Blooms Oct. 10.
- \*RODELL. Yellow button very bushy. Flowers Oct. 10.
- SKIBO. Yellow with bronzy red center. Oct. 15.

Prices of All Button Type. 3 for 85c; doz., \$2.50; 100, \$15.00.

COLLECTION 92B. One each of the 4 Button Type Chrysanthemums. \$1.00, not prepaid.

\*Illustrated in Color on Fourth Front Cover Page.

## New and Recent Introductions

- BARBARA CUMMING. Blooms are large, measuring 3 inches. Clear yellow shading to orange bronze center. Flowers in September.
- FRANCIS WHITTLESEY. Rich bronze and garnet red. Low growing, blooms in late September. Striking variety showing almost red.
- GYPSY GIRL. Deep chestnut-crimson, single flowers. Blooms from early October to heavy frosts.
- JEWEL. Large button like flowers of deep pink. An unusual type, good for cutting. Blooms Oct. 5.
- OCTOBER DAWN. Dainty pale pink flowers 2 in. in diameter on well branched stalks. In full bloom by Oct. 10.
- OCTOBER GIRL. Handsome pink blooms. Single to semi double. Flowers in late September. A very prolific bloomer.
- RUTH CUMMING. Introduced ten years ago and still good. Blooms Oct. 10. A rich reddish bronze with terra cotta and lighter tones.
- RUTH HATTON. Clear ivory white with lemon shading in center. Very hardy and blooms Oct. 10.
- R. MARION HATTON. A new yellow. Shapely, compact blooms, medium size and borne in profusion. Commences blooming in late September.

Prices of New and Recent Introductions, 3 for \$1.00; doz., \$3.50; 100, \$20.00.

ALADDIN. The new large flowering early variety, winner of many awards. Lovely terra cotta-bronze, starts blooming in August and continues until heavy frost. No garden should be without it. Plants, each, 60c; 3 for \$1.60; doz., \$6.00.

COLLECTION 92A. Our selection 6 different colors, Large Flowering outdoor type Chrysanthemums. 6 plants for \$1.50, not prepaid.

# Vaughan's Cannas

## The Four Leaders

\***King Humbert** 4 feet. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past twelve years. A cross between the orchid-flowering and the French or Crozy type, combining the large flowers of one with the free-blooming character of the other, and the handsome broad, tropical foliage.

\***Yellow King Humbert** 4 feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red; measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. An orchid flowering sport of the well-known variety King Humbert.

\***Hungaria** 3½ feet. The best pink Canna. Leaves bluish green, never burn. Flowers very large, with immense petals. Trusses of enormous size borne well above the foliage. Very compact, almost dwarf and of a very luxuriant growth. Three-inch pot plants, each, 35c; doz., \$3.25; 100, \$20.00.

\***The President** 4 feet. A rich glowing scarlet with immense rounded flowers, seven inches across when fully open, are produced on strong erect stalks well above the heavy foliage. Free-bloomer and strong grower.

Price, except where noted, three-inch pot plants, each, 30c; doz., \$3.00; 100, \$18.00.

SPECIAL OFFER No. 92. One each of the above four Cannas, three-inch pot plants, for \$1.25.

## New Introductions

\***Copper Giant**. 4 ft. Madder red and old rose. Immense flowers with the shade of burnished copper. Blooms continuously and is an outstanding variety. Green foliage. Three inch pot plants, each 50c; doz., \$4.00; 100, \$25.00.

\***Hollywood**. 4 ft. Introduced in 1927. Orange pink flowers, green foliage. Color is remarkably clear orange-pink and blooms are large. Three inch pot plants, each 50c; doz., \$4.00; 100, \$25.00.

## Vaughan's Standard Varieties

\***Allemania**. 5 ft. Bright scarlet with yellow border; green foliage.

**Ambassador**. 3½ to 4 feet. Bronze foliage; color poppy red; very brilliant flowers are borne in immense trusses on strong stalks well above the foliage; petals measuring from 2 to 2½ inches across.

**King Midas**. 4 ft. Large flowers of glittering gamboge-yellow. An outstanding variety, making glorious trusses. Green foliage.

**City of Portland**. 3½ feet. A deep pink which does not fade in hot weather. A free-bloomer, with flowers borne well above the foliage. Distinct among the several really worth while pink Cannas.

**Dr. E. Ackernacht**. 4 ft. Large flowers in a loose truss. Rich cerise pink flecked with deeper carmine. Petals broad and large.

**Eureka**. 4 feet. Remarkably free-flowering variety and with its striking white flowers, which first appear cream, makes a very effective show in conjunction with a good scarlet such as King Humbert. A robust grower, forming sturdy, shapely plants.

**Florence Vaughan**. 5 feet. The most famous yellow Canna. Introduced by us in 1892, it still remains indispensable in its class.

**Gaiety**. 4 ft. Scarlet-orange mottled with carmine and edged clear yellow. A handsome variety.

\***Louisiana**. 6 feet. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 inches across. Foliage a glossy green.

**Mrs. Alfred F. Conard**. 4 feet. Flowers salmon-pink of large size on finely shaped flower heads.

**Shenandoah**. 4 feet. Pink. Exactly like Mrs. Alfred F. Conard, except that the foliage is light bronze.

\***Statue of Liberty**. 6 feet. An extremely vigorous grower. Bronze foliage and orange-scarlet flowers.

\***Wintzer's Colossal**. 5 feet. A striking vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses.

**Vaughan's Standard Varieties**. Three-inch pot plants, each, 30c; doz., \$3.00; 100, \$15.00.

All Canna plants F. O. B. our Greenhouses, Western Springs, Illinois. We recommend shipment by express of four or more plants.



HUNGARIA

All Cannas marked (\*) are Orchid Flowering Varieties.





# Surprise Collections

TOWARDS the close of our spring shipping season we have a surplus in many varieties of plants. Generally we dispose of them to wholesale customers but this year we are offering the following bargains. Shipment to be made at close of our regular shipping season, June 1 to 15th, and selection of varieties to be left with us. We guarantee these Surprise collections to contain a good selection of varieties at about half our regular price. All varieties are labeled. All Surprise Collections are priced F.O.B. Western Springs, Ill. Orders of not more than six plants may be shipped by parcel post, for which postage should be enclosed. Average shipping weight for six plants or less, 3 pounds. Orders for more than six plants must be shipped by express, at buyer's expense.

## PERENNIALS

6 for 90 cents; 12 for \$1.75; 25 for \$3.25

These plants are to be varieties of our selection but you may specify whether the plants are to be Tall, for background effect; Medium, for middle ground and average border planting; Dwarf for edging and bedding effects, or Mixed, the shipment containing a mixture of all sizes.

## HARDY ROCK PLANTS

6 for 90 cents; 12 for \$1.75; 25 for \$3.25

We grow a large collection of perennial rock plants, suited in habit of growth and soil preference for thriving in the rock garden and adding beauty and interest to it. Many are rare varieties, distinguished both for beautiful flowers and decorative foliage. Surprise collections are made up from the varieties on hand June 1.

## HARDY PHLOX

4 plants, all different, 90 cents; 12, not less than 6 varieties, \$2.50; 25 not less than ten varieties, \$4.75.

Hardy phlox is the dominant flower in the perennial border during late July and August. We grow the finest new giant flowered varieties of the beautiful soft pinks, bright reds, lavenders, white and white with markings. Surprise collections are chosen from varieties on hand June 1.

## CANNAS

4 3-in pot plants, 60 cents; 12 for \$1.75; 25 for \$3.25

Cannas are being extensively planted in informal mixed borders of summer flowering annuals and bulbs. They are without rivals for continuous flowering in the hottest weather. We grow only the newest varieties of giant orchid flowering cannas, of glorious red, scarlet, yellow, orange and pink, with both green and bronze foliage. Surprise collections are selected by us from varieties on hand June 1.

## DAHLIAS

4 Fancy show roots for 75 cents; 12 for \$2; 25 for \$3.75.

4 Decorative roots for \$1; 12 for \$2.75; 25 for \$5.

We are dahlia specialists, growing the finest varieties of all types, as listed on pages 84 and 85 of this catalogue. The varieties offered in our Surprise Collections will be chosen from those on hand June 1 in order to give the buyer the greatest possible value and he may be sure of a large reduction from list prices.

Shipment of above Surprise Collections to be made after June 1. All other Collections on this page are shipped at proper planting time.

## Cut Flower Collection

Lovers of cut-flowers can depend on our careful selection in this collection of 25 Perennials for cut-flowers. We include Achillea, Aster, Delphinium, Pyrethrum, Shasta Daisy, Veronica and other good cut-flower varieties. All carefully labeled and at least 15 different varieties.

No. 89. "CUT-FLOWER" Perennial Collection, 25 plants, our selection of varieties, for \$4.00.

## ANNUAL BEDDING PLANTS

6 plants, all different, 50 cents; 12 plants, not less than 6 varieties, 90 cents; 25 plants, not less than 10 varieties, \$1.75.

We grow a large selection of annual bedding plants which are suitable not only for mixed borders and beds, but also for window boxes, porch boxes and vases. You may specify whether the plants you order are to be used for window boxes, or the bed and border, and we will make selections accordingly from the varieties on hand June 1.

## DELPHINIUMS

4 different varieties, 85 cents; 12 for \$2.25; 25 for \$4.25.

Our perennial delphiniums include all the well known types grown from seeds of selected strains, as well as plants grown from seed of our own selection. You may count upon plants of giant flowered hybrids including a good variety of coloring at a large saving from list prices. We will make selections from the varieties on hand June 1.

## HARDY CHRYSANTHEMUMS

6 plants, all different, 90 cents; 12, not less than 6 varieties, \$1.75; 25, not less than 10 varieties, \$3.25.

Since the climate of Chicago is especially trying on hardy chrysanthemums, we have concentrated upon testing varieties in order to select the hardiest, freest flowering and above all, the earliest of hardy garden chrysanthemums. We retain only those which have passed our tests and have now approved of a large number including all attractive colors, from which Surprise Collections will be chosen June 1.

## ROSES, POT GROWN

2 different hybrid teas, \$1.25; 6 different, \$3.50. 2 different climbers, \$1.25; 6 different, \$3.50.

Long experience has proved to us that rose plants started in pots in cold frames, hardened to the weather, and delivered to you in full leaf, and bud or bloom, give more than double the value of dormant plants. By transferring them to your garden at once, you immediately enjoy flowers which continue for a full season. Plants for Surprise Collections will be chosen from varieties which are on hand June 1.

## Rock Garden Collections

We use great care in assembling these collections and send only plants suitable for rock gardens. Our selection of varieties, each one properly labeled.

No. 89A. Rock Garden Collection. 1 each of 10 varieties for \$2.00.

No. 89B. Rock Garden Collection. 2 each of 12 varieties for \$3.50.

## Peonies

Peonies may be planted in the fall or spring. Orders should be sent at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of the shy blooming; 2 inches of soil over the crown (eyes) being sufficient.

### Pink Varieties

Edulis Superba. Bright mauve-pink. 35c.  
Mons. Jules Elie. Glistening lilac-pink. 50c.  
Reine Hortense. Enormous flowers of hydrangea-pink. Strong growing. 50c.

### White Varieties

Avalanche. White penciled carmine. 35c.  
Festiva Maxima. White dotted carmine. 35c.  
Duchess de Nemours. Sulphur-white. 35c.

### Red Varieties

Felix Crousse. Dazzling ruby-red. 35c.  
Karl Rosefield. Rich velvety-crimson. 50c.  
Marechal Vaillant. American beauty color. 35c.  
Tenuifolia Flora Plena. (Fern-leaf Peony.) Full double, brilliant crimson. Very early, \$2.00.

### Un-named Sorts

Double White. Divided roots. Each, 25c.  
Double Pink. Divided roots. Each, 25c.  
Double Red. Divided roots. Each, 25c.

### Special Offer

Four named Peonies; 2 pink, 1 red and 1 white, our selection labelled, postpaid, for \$1.00.

## Bargain Peony Collections

1 each: Edulis Superba—bright pink, Felix Crousse—ruby-red, Festiva Maxima—large white, Marechal Vaillant—American beauty color, Duchess de Nemours—sulphur-white, and Reine Hortense—hydrangea-pink. (value \$2.25) for only \$1.50.

## Shady Border Collection

A valuable assortment of 25 hardy Perennials which thrive in partial to almost total shade. We send Aquilegias, Funkias, Lythrum, Monarda, Polemonium, Violas and other good varieties to brighten a shady spot, 12 different varieties in every collection, each carefully labeled.

No. 89C. "SHADY BORDER" Perennial Collection 25 plants, our selection of varieties, for \$3.75.

## Vaughan's Collection of New and Rare Varieties

To popularize the newer and better varieties of Perennials not usually found in the average garden, we offer this choice assortment much below our regular catalog prices. Each collection contains twenty-five plants for the Perennial border (one of each variety) all carefully labeled. Lovers of fine Perennials will appreciate this opportunity of obtaining the newest and best varieties. We make a careful selection as we realize the collection builds business for us.

If these 25 plants were sold at our "single plant" catalogue prices they would cost over \$10.00.

No. 89D. VAUGHAN'S COLLECTION of "New and Rare Varieties." 25 choice plants, our selection of varieties, for \$6.50.

## French Hybrid Lilacs

Three named varieties, our selection. 1 reddish purple, 1 double blue and 1 double white—2-3 ft., (value \$2.25) for \$1.50; 3-4 ft. (value \$2.70) for \$2.00.

## Hedge Plants

LIGUSTRUM Amurense (Amur Privet). A splendid hedge plant. Extremely hardy. Dark green lustrous foliage. Can be sheared to any extent.  
18 to 24 in. \$1.00 per 10; \$8.00 per 100. 2 to 3 ft. extra bushy \$1.50 per 10; \$12.00 per 100.

## Evergreens for Rock Garden

CANADIAN Juniper (Juniperus Canadensis). Of low spreading form with glaucous green foliage.

PFITZER Juniper (Juniperus Pfitzeriana). Best of all evergreens. Of broad, spreading habit with rich green foliage.

SAVIN Juniper (Juniperus Sabina). Spreading, semi-erect branches with dark green foliage.

COLORADO SPRUCE. (Picea Pungens). One of our most popular evergreens.

MUGHO PINE. (Pinus Montana Mughus). Of dwarf, round compact growth; foliage bright green in winter and summer.

2 each of the above, 8 to 10 in., 10 plants for \$3.75. 1 each of the above, 8 to 10 in., 5 plants for \$2.00.

All Collections on this page, except where noted, are f. o. b. Western Springs, Ill. We advise shipment by Express.



# Vaughan's Gladioli

**GLADIOLI** continue to reward breeders with improvement in size, form, and color. No flower family has shown greater progress. Varieties are now obtainable to provide all colors of the rainbow. In both height of stem and size of florets, new records are being set while in refinement of coloring, and the development of gracefulness, notable advancement has been made.

Plant in full sun, in soil which has been supplied with plant food, giving eight inches between bulbs. Two to four inches deep in heavy soil, four to six inches in light soil, will suffice. It is better to stake the taller varieties. Water should be supplied in dry spells if possible. For exhibition blooms, liquid manure may be applied weekly, after five leaves have developed.

Vaughan's Seed Store has been identified with the development of gladioli in America since its beginning. We are now the largest growers of gladioli in this country. On our farms in Illinois and Michigan we devote more than 400 acres to gladiolus culture.



View of Gladioli in bloom at Vaughan's Gladiolus Farms, Ovid, Mich., on Michigan route No. 21, 13 miles west of Owosso, Mich. Visitors are welcomed during the flowering season, July 15 to Oct. 1.

## Vaughan's Novelties at Greatly Reduced Prices

**\*BLUE ROYALE** (Vaughan). True violet-blue. Very prolific and much larger, taller and stronger grower than any other blue we or any one else have ever introduced. In season it is later than Rosa Raisa or Mrs. T. J. Knudson. It won first place as the best purple or violet at Atlantic City show. An outstanding advance in this new color. Each, \$5.00; doz., \$50.00.

**\*CADILLAC** (Vaughan). Tallspike, flowers well placed and of good form. 7 open at one time, 5 to 7 buds. Color golden apricot fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. A very warm and pleasing shade. Each \$1.00; doz., \$10.00.

**\*CANYON VIOLET** (Vaughan). Another of the famous Vaughan Violet and Blue shade varieties. Deep violet-blue with a darker and larger bloom than our Rosa Raisa or Blue Royale. Very tall and a strong grower. Each, \$5.00; doz., \$50.00.

**\*DEARBORN** (Vaughan). Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six inches in diameter. A giant gladiolus that blooms early. Each, \$2.00; doz., \$20.00.

**\*GRAND RAPIDS** (Vaughan). Light lavender with a white throat marked with a small blotch of lilac, anthers pure white, reflex of darker lavender, flowers well placed medium size, 8 to 10 open together. Medium height, early, type of Minuet. First prize at Michigan Gladiolus show for best lavender seedling. Each, 50c; doz., \$5.00.

**\*MRS. T. J. KNUDSON** (Vaughan). This is one of the Vaughan's blues much admired at all shows and in a class with Rosa Raisa. Clear light violet, shading deeper towards the outer edge of petals. The throat has a deep violet plume, tipped or capped by a characteristic bright creamy spire giving it a very striking effect. Florets are medium in size, with many well placed, open at one time. This is an outstanding introduction in a color-class where good varieties are scarce. Mid-season, strong grower of good height. Each, \$2.00; doz., \$20.00.

**\*MRS. FRANCES L. KARCHER** (Vaughan). Light salmon blending to an orange on outer edge of petals, throat petals striped with crimson. Reflex orange-crimson. Tall straight spike, flowers well placed, 6 to 8 blooms open, free bloomer, early. An ideal commercial orange-scarlet. First at Michigan show for best orange and best commercial seedling. A fine cut-flower. Each, \$2.00; doz., \$20.00.

**\*MARY SHARY** (Vaughan). Clear soft primrose-yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, \$2.00; doz., \$20.00.

**\*POMPADOUR** (Vaughan). Extra tall and strong, upright spike, 9 flowers open, 14 buds. Flowers well placed, remarkable texture, of good form and size, ruffled. Color pale ivory, tip deep cream, narrow line of crimson-lake on three lower petals; stamens slate-violet, pistil white. Very desirable. Each, \$3.00; doz., \$30.00.

**\*RHAPSODY IN BLUE** (Vaughan). Pale blue-violet with deep violet throat. Flowers well placed, many open at once. A distinct acquisition to the all too few good blues. Each, \$5.00; doz., \$50.00.

**\*ROSA RAISA** (Vaughan). Long spike, flowers well placed and of very good size; 4 open at one time, 10 buds. Color, lower 3 petals blotched with violet, upper petals pale mauve shading to violet edge. Stamens violet. Compared to "Veilchenblau", flowers larger, contrast between upper and lower petals more intense. A better propagator. Each, \$2.00; doz., \$20.00.

**\*TAWNY** (Vaughan). Very tall spike (50 inches), 7 large flowers open, 10 buds, flowers well placed. Color deep rose-apricot faintly laid with pale rose-violet at the edges. Remarkably silky texture. Very large flowers well placed, stamens and pistils white. An outstanding flower. Each, \$1.00; doz., \$10.00.

### Vaughan's World's Fair Mixture \$1.00 15 Large Bulbs

This name has been chosen by us for our highest quality blendings of the many named varieties which we grow, including French novelties with other choice varieties, of which we have only moderate quantities. This is the best mixture which our collection permits, and we believe unexcelled by any obtainable elsewhere. Each lot, whether in dozens, 50s or 100s, of all Vaughan's Mixtures, is put up separately to insure correct proportions. Price, 15 Bulbs, all different, \$1.00, postpaid; by express, not prepaid, 50 for \$2.75; 100 for \$5.00; 250 for \$11.50; 500 for \$21.00.

### Vaughan's "Standard" Mixture \$1.40 50 Bulbs

We have thrown away all the common and cheap leftover which our trial grounds have proved to exist in old mixtures. We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD" MIXED, will be found satisfactory everywhere, for mixed beds, borders and masses, and offered at very moderate prices. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 40c, postpaid; by express, not prepaid, 50 for \$1.40; 100 for \$2.50; 250 for \$6.00; 500 for \$11.50; per 1,000, \$22.00.

### Collection No. 600B—Smoky \$1.00 Mixture 12 Bulbs

A mixture of "smoky" varieties, this name having been adopted by the American Gladiolus Society for a type of coloring which consists of a soft blend of many tones, in misty effects, for which the vocabulary of color provides no exact names. This mixture includes many seedlings never introduced; and affords a most interesting assortment of odd, artistic colorings. Doz., \$1.00.

### Century of Progress Collection \$1.00 60 Bulbs

A Rainbow Garden of Gladioli for \$1.00.

A dollar never bought more beauty than our Special Offer of 60 Flowering Size Bulbs of Vaughan's Glorious Gladioli, including not less than six Varieties (our selection), ten each, all separately bagged and labeled. 60 BULBS, Flowering Size, not less than Six Varieties, postpaid, for \$1.00.

### Primulinus Hybrids Mixed \$5.00 100 Bulbs

The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and shape of the flowers they are ideal for vases. Each, 10c; doz., 75c; 100, \$5.00.

### Vaughan's Gladioli at 1932 Shows

Vaughan's gladioli are consistent winners of the highest awards at the Gladiolus Shows held annually throughout the country.

Not only do we receive these awards, but reports come in continually that varieties introduced by Vaughan and grown and exhibited by other growers take the sweepstakes.

At the 1932 show of the American Gladiolus Society, the largest gladiolus show in the country, Vaughan's exhibit and varieties won the coveted gold medal and four other first prizes, one second, and two third, also many miscellaneous prizes. At the Michigan state show, our exhibit was the high-light of the show, and received the highest award. Our entries of varieties won nineteen first, seven second, and seven third prizes. At the Illinois and Indiana shows our exhibits took many prizes and were admired greatly by all who attended.

### Gold Coast Collection One Each \$1.75 of 20 Bulbs

#### TWENTY CHOICE VARIETIES

This special offer enables you to obtain at a much reduced cost first size bulbs of the twenty outstanding varieties listed below which every lover of Gladioli will desire to add to his collection.

One each of the varieties listed below (20 bulbs) \$1.75 prepaid.

Two each of the varieties listed below (40 bulbs) \$3.00 prepaid.

Five each of the varieties listed below (100 bulbs) \$7.00 prepaid.

ALMA Immense flowers of light orchid.

BETTY NUTHALL The best orange-pink.

BYRON L. SMITH. Light lavender, pale throat.

CHARLES DICKENS. A beautiful violet-purple.

DR. F. E. BENNET. Scarlet, throat stippled with ruby and white.

FLORENCE. Bright lilac.

FLANDERS. Brilliant scarlet of the Primulinus type.

GIANT NYMPH. Great showy blooms of La France pink.

GOLDEN MEASURE. Golden yellow.

HEINRICH KANZLEITER. Brilliant dark velvety blood-red.

LONGFELLOW. Pure pink.

MRS. L. S. HUBBARD. A plum colored Primulinus.

MRS. LEON DOUGLAS. Begonia-rose striped with flame and brilliant scarlet.

MRS. P. W. SISSON. Immense ruffled soft pink.

ORANGE QUEEN. Pure orange colored, large flowered Primulinus.

PURPLE GLORY. Ruffled velvety light maroon.

ROSE ASH. Very strong, large old rose "smoky."

SCARLANO. Brilliant scarlet, nicely ruffled.

SPHINX. Giant blooms of lilac-red.

VIRGINAL. Pure white.

\*This mark indicates the variety was first introduced by Vaughan's Seed Store. Chicago and New York. Ask for Complete List.

The price for single bulbs and by the doz. as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.



# Vaughan's Glorious Gladioli

**\*ANNIE MAY (Vaughan).** A beautiful lilac shade with pure white throat, enormous tall spike sometimes growing 5 feet tall. Each, 25c; doz., \$2.50; 100, \$18.00.

**ALICE TIPLADY (Kunderd).** A large flowered primulinus of beautiful orange-saffron. Each, 5c; doz., 50c; 100, \$3.00.

**\*ALMA (Vaughan).** A very floriferous light-lavender variety. Each, 5c; doz., 50c; 100, \$3.00.

**AMARYLLIS (Kunderd).** A blood-red flower of giant size, very much like its namesake. Each, 10c; doz., \$1.00; 100, \$7.00.

**ANNA EBERIUS (Diener).** Dark, velvety maroon-purple. Each, 5c; doz., 50c; 100, \$3.00.

**ALBANIA (Kemp).** Pure large white. Each, 10c; doz., \$1.00; 100, \$7.00.

**ALCAZAR (Brunet).** A beautiful French variety of rose color with an amaranth red blotch on lower petals. Each, 15c; doz., \$1.50; 100, \$10.00.

**A. W. HUNT (Christy).** Immense flowers of brilliant orange-red. Each, 5c; doz., 50c; 100, \$3.00.

**BALBOA (Briggs).** Glowing apricot-pink. Each, 20c; doz., \$2.00; 100, \$15.00.

**BARON JOS. HULOT (Lemoine).** Rich, dark purple. Each, 10c; doz., \$1.00; 100, \$7.00.

**BELINDE (Pfitzer).** A new creamy yellow variety with wide open flowers. Each, 20c; doz., \$2.00; 100, \$15.00.

**BETTY NUTHALL (Salbach).** One of the outstanding gladioli of recent introduction. Light coral with pale orange throat and light feathering of carmine. A beautiful large flowered variety. Each, 15c; doz., \$1.50; 100, \$10.00.

**\*BIJOU (Vaughan).** Primulinus. Flowers of good size, well open, slightly ruffled pinkish apricot, lower side petals primrose-yellow small crimson blotches at base of petals. Flowers well placed. A most charming variety. Height, 30 inches. Each, 35c; doz., \$3.50; 100, \$25.00.

**\*BLOOMINGTON BEAUTY (Vaughan).** Good spike, 5 open flowers, 10 buds, flowers well placed. Color amaranth with crimson blotch on lower petals. Stamens light amaranth. Each, 15c; doz., \$1.50; 100, \$10.00.

**BERTY SNOW (Mair).** Large flowers of beautiful lavender. Excellent substance and placement. Eight open at once. Fine exhibition and cut flower. A prize winner. Each, 15c; doz., \$1.50; 100, \$10.00.

**BYRON L. SMITH (Kunderd).** Beautiful lavender-pink on white ground. Each, 10c; doz., \$1.00; 100, \$7.00.

**CAPTAIN BOYNTON (Boynton).** Light lavender, blotched deeper in throat, one of the nicest lavenders in gladioli. Each, 10c; doz., \$1.00; 100, \$7.00.

**CARUSO (Pfitzer).** Splendid flowers of brilliant orange-red. The earliest of all red gladioli, blooming with or before Halley. Each, 10c; doz., \$1.00; 100, \$7.00.

**CHATEAU THIERRY (Vos).** Orange-cerise, with yellow bordered red blotch. Each, 5c; doz., 50c; 100, \$3.00.

**CHAS. DICKENS (Pfitzer).** Purple-violet. Each, 15c; doz., \$1.50; 100, \$10.00.

**\*CLARA ADAMS (Vaughan).** Light pink with a crimson-marked throat. Large, well expanded flowers. Each, 5c; doz., 50c; 100, \$3.00.

**\*COPPER SHEEN (Vaughan).** A very attractive primulinus novelty. It contains a blending of colors difficult to describe, but which gives the flower a bronzy orange effect. The florets are round, well hooded, and spaced separately on the spike, characteristic of the prim type. Each, 35c; doz., \$3.50; 100, \$25.00.

**CRIMSON GLOW (Betscher).** Scarlet, with slight stipplings of primrose-yellow in throat, overlaid with velvety scarlet blotch. Each, 5c; doz., 50c; 100, \$3.00.

**DESEMONNE (Vilmorin).** Ashy rose, striped lilac, with a large, dark red blotch edged ivory white. Each, 15c; doz., \$1.50; 100, \$10.00.

**DEUTSCHLAND (Graetz).** A giant seedling which surpasses its parent, America. The color is a wonderful pink, with a fiery crimson blotch. Each, 5c; doz., 50c; 100, \$3.00.

**DIANA (Zeestraten).** Clear, rich blood-red, well placed and beautifully formed. Each, 10c; doz., \$1.00; 100, \$7.00.

**DR. HANS PFITZER (Pfitzer).** A late flowering, soft pink variety containing some primulinus blood. Each, 10c; doz., \$1.00; 100, \$7.00.

**DR. F. E. BENNETT.** Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 10c; doz., \$1.00; 100, \$7.00.

**DR. MOODY (Kenyon).** Light lavender. Each, 15c; doz., \$1.50; 100, \$10.00.

**DR. NELSON SHOOK (Kunderd).** Deep tyrian rose. Each, 10c; doz., \$1.00; 100, \$7.00.

**EARLY SUNRISE (Alkemande).** Flowers of this variety are extra large, bright salmon-scarlet in color, and extremely early. Each, 10c; doz., \$1.00; 100, \$7.00.

**\*EDITH MASON (Vaughan).** Delicate geranium-pink, an exquisite color. Each, 20c; doz., \$2.00; 100, \$15.00.

**ELIZABETH TABOR (Hinkle).** This variety blooms before all others, has flowers of delicate rosy pink on white ground, with the lower petals bearing a rich, dark crimson blotch which terminates in a diamond of soft yellow. Each, 5c; doz., 50c; 100, \$3.00.

**EMILE AUBRUN (Lemoine).** Coppery bronze with cherry blotch. Each, 20c; doz., \$2.00; 100, \$15.00.

**\*ELSIE MCCORMICK (Vaughan).** Perhaps the best of our introductions. The flowers are large, beautiful rose-pink in color, with many blossoms open at one time. Each, 50c; doz., 50c; 100, \$3.00.

**FAY LAMPHIER (Williams).** Large, well-expanded flowers of geranium-pink, overlaid with scarlet, as beautiful as its namesake, the Queen of Beauty. Each, 10c; doz., \$1.00; 100, \$7.00.

**FAIR COLUMBIAN (Kunderd).** A tall vigorous gladioli of beautiful lilac. Each, 10c; doz., \$1.00; 100, \$7.00.

**\*FLANDERS (Vaughan).** Red Primulinus. Tall spike, 10 open flowers, 10 buds. Flowers well placed, wide open, brilliant orange-violet, stamens light. Each, 6c; doz., 60c; 100, \$4.00.

**FLORENCE (Vilmorin).** Very large flowers of bright lilac, with a large white blotch on two lower petals. Each, 10c; doz., \$1.00; 100, \$7.00.

**FOREST FIRE.** Flowers are a dazzling shade of orange-scarlet, gigantic in size. Each, 30c; doz., \$3.00; 100, \$20.00.

**FRANK J. SYMMES (Diener).** A fine ruffled geranium-pink distinctly blotched scarlet-red at the throat. Each, 10c; doz., \$1.00; 100, \$7.00.

**GIANT NYMPH (Coleman).** LaFrance pink with creamy yellow throat. Each, 10c; doz., \$1.00; 100, \$7.00.

**GOLDEN DREAM (Gross).** Clear deep yellow. Each, 10c; doz., \$1.00; 100, \$7.00.

**GOLDEN MEASURE (Kelway).** Large, well expanded flowers of golden yellow. It is a very robust and tall grower, a quality unusual in the yellow and blue varieties. Each, 10c; doz., \$1.00; 100, \$7.00.

**HEINRICH KANZLEITER (Pfitzer).** Brilliant dark, velvety blood-red, the largest and earliest of dark gladioli. Each, 10c; doz., \$1.00; 100, \$7.00.

**HEAVENLY BLUE (Pfitzer).** Lavender-blue. Each, 20c; doz., \$2.00; 100, \$15.00.

**HERADA (Austin).** Beautiful blooms of pure mauve. Each, 5c; doz., 50c; 100, \$3.00.

**HERBSTZAUBER (Pfitzer).** Lacking words to justly describe its beauty, all we can say is that it is the most wonderful copper-salmon, fittingly called "Autumn Fascination." Each, 35c; doz., \$3.50; 100, \$25.00.

**HOLLYHOCK.** White with crimson blotches. Each, 25c; doz., \$2.50; 100, \$18.00.

**\*HURON (Vaughan).** Light ashes of rose shade on upper petals, lower petals plum, shading to center with blotches of cream. Each, 15c; doz., \$1.50; 100, \$10.00.

**ILLUMINATOR (Hinkle).** Deep carmine red. Each, 10c; doz., \$1.00; 100, \$7.00.

**\*IMPROVED MARTHA WASHINGTON (Vaughan).** Perfect flowers of light red, with dark, almost black, blotches on the three lower petals, are set evenly on a tall, strong stem. Each, 15c; doz., \$1.50; 100, \$10.00.

**\*IMPROVED SCHWABEN (Vaughan).** A Schwaben seedling retaining the luxuriant growth of its parent, but of a deeper yellow color, with very little throat markings. Each, 5c; doz., 50c; 100, \$3.00.

**\*IONIA (Vaughan).** A tall grower, carrying a long spike of well placed, apricot colored flowers. Each, 10c; doz., \$1.00; 100, \$7.00.

**IRIS (Ragot).** Curious slaty blue color, slightly flamed with red; small white blotch spotted carmine. Each, 50c; doz., \$5.00.

**JACK LONDON (Diener).** Light salmon, suffused and striped vermilion. Each, 10c; doz., \$1.00; 100, \$7.00.

**\*KALAMAZOO (Vaughan).** Large, compact flowers of beautiful violet-purple, with a creamy white throat. Each, 20c; doz., \$2.00; 100, \$15.00.

**\*LANSING (Vaughan).** A large flowered pink of very vigorous growth. Each, 15c; doz., \$1.50; 100, \$10.00.

**LA POLOMA (Dusinberre).** A large pure orange primulinus of the grandiflora type. Each, 25c; doz., \$2.50; 100, \$18.00.

**LAVENDER AMERICA (Kunderd).** Tall strong deep lavender. Each, 15c; doz., \$1.50; 100, \$10.00.

**LENE GRAETZ (Graetz).** A white gladioli of first rank, with tall, slim, wiry stalk. The large, well expanded flowers are well arranged. Each, 10c; doz., \$1.00; 100, \$7.00.

**LONGFELLOW (Dec.).** Large, wide open La France pink. Each, 10c; doz., \$1.00; 100, \$7.00.

**LOS ANGELES (Houdyshel).** Attractively hooded flowers of bright pink shading to geranium-pink, are gracefully arranged on medium tall spikes. Each, 5c; doz., 50c; 100, \$5.00.

**LOUISE.** Pure lavender. Each, 10c; doz., \$1.00; 100, \$7.00.

**LUSTRE (Kunderd).** A tall, large flowered variety of brilliant orange-vermilion. Each, 10c; doz., \$1.00; 100, \$7.00.

**\*L. W. WHEELER (Vaughan).** Medium sized, rounded flowers of pink, suffused with yellow and blotched crimson. Each, 10c; doz., \$1.00; 100, \$6.00.

**MAGENTA (syn.) Tyrian Beauty (Kunderd).** A beautiful large flower of American Beauty rose color. Each, 10c; doz., \$1.00; 100, \$6.00.

**\*MANISTEE (Vaughan).** A ruffled pink of vigorous growth. Each, 10c; doz., \$1.00; 100, \$6.00.

**MARMORA (Errey).** Lavender-grey, dark blotch. Each, 35c; doz., \$3.50; 100, \$25.00.

**MARTHA PHILLIPS (Vaughan).** Dark solid red. Each, 10c; doz., \$1.00; 100, \$6.00.

**\*MARY H. DICK (Vaughan).** A tall, pink primulinus, especially adapted to basket work. Each, 60c; doz., 60c; 100, \$4.00.

**MARY PICKFORD (Kunderd).** Creamy white throat soft sulphur-yellow. Each, 10c; doz., \$1.00; 100, \$6.00.

**MING TOY (Kunderd).** Very large flowers of finest form. Showy, deep buff-yellow throat. Tall plant. Each, 10c; doz., \$1.00; 100, \$7.00.

**MINUET.** Large light lavender. We highly recommend it. Each, 20c; doz., \$2.00; 100, \$15.00.

**MISS MADISON.** Delicate pink. Each, 10c; doz., \$1.00; 100, \$7.00.

**MILDRED LOUISE.** Prevailing color is a pure salmon (strawberry) pink, self on upper petals with lower petals tipped strawberry-pink, blending to pinard-yellow in the throat. The stem is strong and flexible. The beautiful triangular shaped florets open wide and measure 5½ inches or more across, there are 18 to 22 buds on each spike. Excellent propagator. Each, \$2.00; doz., \$20.00.

**MRS. W. E. FRYER (Kunderd).** Large flowers of bright orange-scarlet. Each, 5c; doz., 50c; 100, \$3.00.

**MONA LISA (Kunderd).** Ruffled, pale, soft rose pink. Each, 10c; doz., \$1.00; 100, \$7.00.

**MRS. DR. HAUFF (Pfitzer).** The best brilliant scarlet gladioli, many large flowers open at the same time, make a very fine spike. Each, 25c; doz., \$2.50; 100, \$18.00.

**MRS. DR. NORTON (Kunderd).** Soft white, with tips of petals suffused LaFrance pink. Each, 10c; doz., \$1.00; 100, \$6.00.

**MRS. F. C. PETERS (Fisher).** A large, late flowering, rose-lilac, with a crimson blotch bordered white on lower petals. Each, 10c; doz., \$1.00; 100, \$5.00.

**MRS. FRANCIS KING (Coblentz).** Vermilion, shaded salmon. Each, 5c; doz., 50c; 100, \$3.00.

**MRS. FRANK PENDLETON (Kunderd).** Rose-pink, with the lower petals blotched carmine. The most popular of all gladioli. Each, 5c; doz., 50c; 100, \$3.00.

**MRS. H. E. BOTHIN (Diener).** Heavily ruffled flowers of light geranium-pink with distinct throat blotch of scarlet. Each, 10c; doz., \$1.00; 100, \$7.00.

**\*MRS. JULIUS ROSENWALD (Vaughan).** Deep wine-red. Each, 50c; doz., \$5.00.

**MRS. LEON DOUGLAS (Diener).** Said to be the largest gladioli now in existence. Color is begonia-rose, striped with flame and brilliant scarlet. Each, 10c; doz., \$1.00; 100, \$6.00.

**\*MRS. L. S. HUBBARD (Vaughan).** A nearly plum-colored primulinus. Each, 10c; doz., \$1.00; 100, \$5.00.

**MRS. P. W. SISSON (C).** Immense, ruffled soft pink. Each, 10c; doz., \$1.00; 100, \$6.00.

**MRS. VON KONYENBURG (Pfitzer).** Probably the only variety which we can, in the true color sense of the word, call blue. This variety resembles the old variety Badenia in color, but it is a much more robust grower, is taller and stronger. Each, 15c; doz., \$1.50; 100, \$10.00.

**MRS. WILLARD RICHARDSON (Diener).** Deep crimson maroon center. Petals of heavy texture. An unexcelled red that will not fade. Each, 10c; doz., \$1.00; 100, \$7.00.

**MOTHER MACHREE (Stevens).** Soft smoky lavender. Large flower and plant with large number out, excellent arrangement, remarkable substance, beautiful coloring of lavender and orange, subdued with neutral gray. Each, 25c; doz., \$2.50; 100, \$18.00.

**NANCY HANKS (Salbach).** Rich Apricot. Very good. Each, 10c; doz., \$1.00; 100, \$7.00.

**ODIN (Heemskerk).** Deep salmon-pink with intense carmine blotch on lower petals. Earlier and larger than Halley. Each, 6c; doz., 60c; 100, \$4.00.

**ORANGE GLORY (Kunderd).** Ruffled orange suffused with scarlet. Each, 10c; doz., \$1.00; 100, \$7.00.

**ORANGE QUEEN (Pfitzer).** A large flowered primulinus of wonderful glowing orange, with red stripes on lower petals. Each, 10c; doz., 75c; 100, \$5.00.

**ORPHEUS (Pfitzer).** Fine blood-red, with many blooms open at one time. Each, 15c; doz., \$1.50; 100, \$10.00.

**OSALIN (Salbach).** A lovely coral-pink with soft markings in throat. Good height, fine placement, six large blooms open at one time. Each, 25c; doz., \$2.50; 100, \$18.00.

**OTHELLO (Pfitzer).** Bright violet-purple with long spikes. Very strong grower, and a rare color. Each, 25c; doz., \$2.50; 100, \$18.00.

**\*OWOSSO (Vaughan).** Straw-yellow, deeper on lower petals. Each, 10c; doz., \$1.00; 100, \$7.00.

**PEACE (Gross).** Pure white with tyrian rose blotch on lower petals. Each, 5c; doz., 50c; 100, \$3.00.

**PEACH ROSE (Kunderd).** An extra choice variety of deep rose-pink. Each, 10c; doz., \$1.00; 100, \$6.00.

**PERSIA (National Bulb).** A maroon-red so dark it appears black. Each, 10c; doz., \$1.00; 100, \$7.00.

**PFITZER'S TRIUMPH (Pfitzer).** Salmon-red with darker blotch. Very large flower. Each, 20c; doz., \$2.00; 100, \$15.00.

**PICARDY (Palmer).** A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Has created a sensation practically every time exhibited. Each, \$2.50; doz., \$25.00.

\*This mark indicates the variety was first introduced by Vaughan's Seed Store, Chicago and New York. Ask for Complete List.

The price for single bulbs and by the doz. as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.



**GLADIOLI—Continued**

**PINK LILY (Kunderd).** Delicate, ruffled pink. Each, 10c; doz., \$1.00; 100, \$6.00.

**\*PINK MEDALLION (Vaughan).** Early pink Prim. A true pure pink, lower petals have a canary blotch with a feather of the same color as the flower. It is exceptionally early, forces well, and is a rapid propagator. Each, 10c; doz., \$1.00; 100, \$6.00.

**\*PINKPRIM (Vaughan).** A large flowered primulinus of wonderful salmon-pink, blotched white on lower petals. Each, 6c; doz., 60c; 100, \$4.00.

**\*PONTIAC (Vaughan).** A giant seedling of Princips, considerably lighter than its parent, but the flower is very much larger, the stalk as strong as that of Schwaben. Each, 5c; doz., 50c; 100, \$3.00.

**PRIDE OF HILLEGOM (Velthuys).** Scarlet. Each, 10c; doz., \$1.00; 100, \$6.00.

**PRIDE OF WANAKAH (Christ).** Lavender-rose, deeper in throat. Each, 30c; doz., \$3.00; 100, \$20.00.

**PRINCE OF WALES (Van Zanten).** Enormous flowers of coral-pink. Each, 5c; doz., 50c; 100, \$3.00.

**PRINCEPS (Fleet).** The parent of modern gladioli. Immense scarlet, white throat. Each, 10c; doz., \$1.00; 100, \$6.00.

**PUREST OF ALL (Pfitzer).** A splendid, pure white variety of large size. Tall spike with four or five broad flowers open at once. Each, 10c; doz., \$1.00; 100, \$6.00.

**PURPLE GLORY (Kunderd).** Beautifully ruffled flowers of deep, velvety maroon-black, with almost black blotches. Each, 10c; doz., \$1.00; 100, \$7.00.

**REMEMBRANCE (Kunderd).** Medium sized, slightly ruffled flowers of geranium-pink with throat blotch of pomegranate-purple. Each, 10c; doz., \$1.00; 100, \$6.00.

**\*RIDINGHOOD (Vaughan).** Prim. A beautiful red primulinus. Each, 6c; doz., 60c; 100, \$4.00.

**ROSE ASH (Diener).** Blooms of the color of ashes of roses are compactly arranged on a very thick, strong stem. Each, 10c; doz., \$1.00; 100, \$6.00.

**ROSS VALLEY (Diener).** Salmon-pink overlaid with mauve, giving ashes of roses effect. Each, 10c; doz., \$1.00; 100, \$6.00.

**RUFFLED GLORY (Kunderd).** Salmon-pink with crimson stripes in the center of each lower petal. Each, 15c; doz., \$1.50; 100, \$10.00.

**ROSEMARY (Bales).** Good sized blossoms of white, thickly marked with fine lines of lavender. Each, 25c; doz., \$2.50; 100, \$18.00.

**ROYAL LAVENDER (Schleider).** Deep, lavender shading lighter towards center. Heavy penciling on lower petals. Each, 15c; doz., \$1.50; 100, \$10.00.

**SALMON BEAUTY (Kunderd).** Very large flowered primulinus of deep salmon with salmon-yellow throat. Each, 5c; doz., 50c; 100, \$3.00.

**\*SANDUSKY (Vaughan).** Prim. The color of this beautiful seedling is a blend of red, blue and terra cotta, producing a color generally known as bordeaux. Upper petals are lighter than the lower ones. Throat is cream blotched wine-red, with three fiery scarlet markings on the lower petals. Each, 10c; doz., \$1.00; 100, \$7.00.

**SARABAND (Salbach).** A very unusual flower, rich as an oriental rug. Coloring a velvety oriental brownish red, shading to red-purple—called "bordeaux." Straw-yellow blotch. Fine placement, good substance. Tall. Each, 15c; doz., \$1.50; 100, \$10.00.

**SCARLET BEDDER (Salbach).** A glowing scarlet grandiflora prim., which provides the high lights with a planting of primulinus. Each, 15c; doz., \$1.50; 100, \$10.00.

**SCARLET WONDER (Cowee).** Mammoth flowers of clear, deep scarlet. Each, 10c; doz., \$1.00; 100, \$7.00.

**SCARLANO (Kunderd).** Large, slightly ruffled scarlet flowers, with throat petals feathered oxblood-red. Each, 6c; doz., 60c; 100, \$4.00.

**SCARLET PRINCEPS (Kunderd).** Brilliant scarlet with slightly darker throat. Each, 5c; doz., 50c; 100, \$3.00.

**SCHWABEN (Pfitzer).** Clear canary-yellow, of very robust growth. Each, 5c; doz., 50c; 100, \$3.00.

**\*SEAFOAM (Vaughan).** White Primulinus. Good spike, flowers well open, medium size, stamens white, color, pure white with greenish reflex, 4 flowers open, 7 to 9 buds. A wonderful producer. Each, 20c; doz., \$2.00; 100, \$15.00.

**SENORITA (Salbach).** Very clear wide open orange, shading to salmon. Each, 20c; doz., \$2.00; 100, \$15.00.

**SIDNEY PLUMMER (Salbach).** Soft yellow suffused delicate pink. Large. Each, 15c; doz., \$1.50; 100, \$10.00.

**SOUVENIR.** Prim. Clear, bright daffodil-yellow of uniform color without markings of any kind. One of the first gladioli to bloom. Each, 5c; doz., 50c; 100, \$3.00.

**\*SOVEREIGN (Vaughan).** The best purple variety. The flowers are the same color as those of Baron J. Hulot, but very much larger. The flowers are full and of rounding form, well placed on a tall, strong spike. Each, 15c; doz., \$1.50; 100, \$10.00.

**SPHINX (Krelage).** Lilac-red blotched, purple-red. Each, 10c; doz., \$1.00; 100, \$6.00.

**\*SUNBEAM (Vaughan).** Very early primulinus of deep yellow with faint strips of red deep in throat. Each, 5c; doz., 50c; 100, \$3.00.

**\*TRUCE (Vaughan).** This beautiful white is a sport of the dark colored variety "Cracker Jack". Each, 10c; doz., 75c; 100, \$5.00.

**THE ORCHID (Briggs).** Long narrow lacinated petals of lavender, giving the appearance of an orchid. Each, 10c; doz., \$1.00; 100, \$7.00.

**THOMAS T. KENT (Diener).** Shell pink overlaid strawberry, and a crimson streak on each petal. The flower is very large. Each, 10c; doz., \$1.00; 100, \$7.00.

**TRUDEL GROTZ (Pfitzer).** Giant flowers of brilliant dark salmon-pink, shading lighter towards the throat, with a small, red blotch. Each, 20c; doz., \$2.00; 100, \$15.00.

**TYCKO ZANG (Austin).** Large salmon-pink. Each, 10c; doz., \$1.00; 100, \$6.00.

**UNIQUE (Kunderd).** Tall, large flowered salmon-pink. Each, 6c; doz., 60c; 100, \$4.00.

**\*VAUGHAN'S WHITE (Vaughan).** Many large, well-expanded flowers of satiny white are open at one time. It is larger flowered and more vigorous in growth than Europa, and as prolific as America. Without doubt it is the best white yet introduced. Each, 15c; doz., \$1.50; 100, \$10.00.

**\*VERDUN (Vaughan).** Pansy-purple, lightening toward the center. The flowers are large and well placed on a strong, straight stem. Each, 10c; doz., \$1.00; 100, \$7.00.

**VEILCHENBLAU (Pfitzer).** The color is a beautiful violet-blue, lightening toward the center. The entire flower appears, at the first glance, to be made of blue velvet the sheen is so beautiful. Each, 30c; doz., \$3.00; 100, \$20.00.

**\*VIRGINAL (Vaughan).** Pure, satiny white flowers with faint lavender markings in throat and on the lower petals. Each, 15c; doz., \$1.50; 100, \$10.00.

**WHITE GLORY (Kunderd).** Pure white with iris-blue throat. Each, 10c; doz., \$1.00; 100, \$6.00.

**W. H. PHIPPS (Diener).** Enormous flowers of La France pink, overlaid with salmon-rose, lighter towards the center. Each, 10c; doz., 75c; 100, \$5.00.

**\*WHITEHALL (Vaughan).** There is an increasing demand for good primulinus varieties on account of their graceful habit and adaptability for house and basket arrangement. An exceptional pure white with no markings. Extra long spike. Each, 20c; doz., \$2.00; 100, \$15.00.

**WHITE PENDLETON (Vaughan).** This is a white sport of the well-known variety Mrs. Frank Pendleton. It is pure white, with a dark blotch in the throat. Each, 10c; doz., \$1.00; 100, \$7.00.

**WHITE EMBLEM.** Pure white with long, narrow petals. Each, 6c; doz., 60c; 100, \$4.00.

**WHITE PERFECTION (Hopman).** Pure white. Each, 10c; doz., \$1.00; 100, \$6.00.

**\*WINDSOR (Vaughan).** Sister to Detroit. A giant flower of light pink with deeper pencillings of light crimson on inside and outside of upper petals. Each, 5c; doz., 50c; 100, \$3.00.

**\*YELLOWSTONE (Vaughan).** Early, tall, clear yellow primulinus similar to Souvenir, but deeper yellow and better grower. A perfect self-color, beautifully formed. Each, 50c; doz., \$5.00; 100, \$35.00.

# Miscellaneous Spring Bulbs

## Bulbs Shipped Separately from Seed

Due to weather conditions during January, February and early March we prefer to send out Bulbs after March 20th except to cus-

tomers in the South or California, to whom we ship at once packed against freezing. Customers should open the package upon arrival and if Bulbs can not be planted at once they should be placed in a dry and frostproof cellar until ready to plant.



AMARYLLIS

beds and borders. Make fine pot-plants. When fully exposed to the sun the beds must be kept moist.

**Single or Double Sorts—**White, red, orange, salmon, rose.

Bulbs, 1 1/2-2 in., ea., 25c; doz., \$2.50; 100, \$18.00, prepaid.

Bulbs, 2 inch, each, 35c; doz., \$3.50; 100, \$25.00, prepaid.

**Frielled Single or Double Mixed Bulbs,** 1 1/2-2 inch, each, 25c; doz., \$2.50; 100, \$18.00, prepaid.

**Lloydii.** Used for hanging baskets. Ea., 30c; 4 for \$1.00; doz., \$3.00; 25 for \$5.00. Double blooming, many fine pink shades.

## Amaryllis, Giant-Flowered

**Vaughan's New Hybrids—**(See illustration). This selection of giant bloomers in wonderfully varied and brilliant colorings has been made from thousands of seedlings produced from hand hybridized flowers by an expert grower. This giant flowered strain is a mixture with the colors ranging from the darkest red shades through the medium striped and light shades.

Price, each, 55c; doz., \$5.50, prepaid; per 100, \$40.00, not prepaid.

**Equestre—**Orange-scarlet. Price, each, 25c; doz., \$2.50; 25 for \$4.50, prepaid.

## Apios Tuberosa

Splendid hardy climber. Will grow to a height of 8 to 10 feet, vine and foliage resembling a Wistaria; deep purple color, fragrant.

Price, each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

## Begonias

**Tuberous Rooted—**Unexcelled for summer bedding, such as lawn



BEGONIAS

## Anemone (Windflower)

Soak bulbs in water 24 hours before planting. The variety offered below are charming hardy flowers. They are suitable for pot or border culture and, when planted in masses, are most effective. They succeed best in a light, rich well-drained loam. Plant as soon as the ground can be worked in the spring. **Special Mixed.** Doz., 50c; 100, \$3.50; 1,000, \$30.00 prepaid.

## Caladium Esculentum

**Elephant's Ear—**One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

**First Size—**5 to 7-inch circumference. Mailing weight, 4 lbs., per doz.

Price, 3 for 25c, prepaid; doz., 90c; 25 for \$1.50, not prepaid.

**Select Size—**7 to 9-inch circumference. Mailing weight, 6 lbs., per doz.

Price, 3 for 35c, prepaid; doz., \$1.35; 25 for \$2.25, not prepaid.

**Extra Large—**9 to 11-inch circumference. Mailing weight, 10 lbs., per doz.

Price, 3 for 75c, prepaid; doz., \$2.50; 25 for \$4.50, not prepaid.

**Mammoth Size—**12-inch and up circumference. Mailing weight, 17 lbs. per doz.

Each, 50c; 3 for \$1.25, prepaid; doz., \$4.25; 25 for \$7.00, not prepaid.



ISMENE CALATHINA



# Miscellaneous Spring Bulbs—Continued



CALLA LILY

## Golden Yellow Calla Lily

*Calla Elliottiana* (Yellow Calla Lily) Though known during war period, bulbs have been so scarce and dear, the plant has not become generally known. We are now having many grown for us and can supply at very reasonable prices.

Mammoth Size, each, 35c; doz., \$3.50; 100, \$25.00; Jumbo Size, each, 55c; doz., \$5.50; 100, \$40.00, prepaid.

## Cinnamon Vine

(*Dioscorea Batatas*)

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.

Price, Medium Size Roots, each, 10c; doz., \$1.00; 100, \$6.00, prepaid.

Large Roots, each, 15c; 3 for 40c doz., \$1.50; 25 for \$2.50, prepaid.

## Gloxinias

These showy plants are easily grown in pots for summer or winter blooming. They make a glorious display and bloom for a long time. Plant the bulbs in small individual pots. The soil best suited should contain plenty of leaf-mold, some sand and well-rotted manure. Place the pots in a warm window and keep moderately moist, but do not water to excess. When the roots become crowded in the first pot, the plants should be transplanted into larger ones. Protect against direct strong sunlight. Just before the plants come into bloom an application of very weak liquid manure is of great benefit.

Price, each 35c; 3 for \$1.00; doz. \$3.50, prepaid.



GLOXINIAS



HYACINTHUS CANDICANS

## Hyacinthus Candicans

(*Galtonias*)

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.

Price, First Size, each, 15c; doz., \$1.50, prepaid; Mammoth Size, each, 20c; doz., \$2.00, prepaid.

## Ismene Calathina

(*Hymenocallis*)

Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. Price, each, 20c; doz., \$2.00, prepaid.

## Lily of the Valley

Large Clumps—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors; they give a quicker and better effect at less cost.

Each, 65c; dozen, \$6.00; prepaid.

## Madeira Vine

(*Boussingaultia Baselloides*.)

One of the best and most popular climbers for foliage effect. Increases very rapidly, large roots.

Price, each, 10c; 3 for 25c; doz., 90c; 25 for \$1.75, prepaid.

## Oxalis

Summer-Flowering—Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous bloom. The colors are white, red, pink.

Price, either color, doz., 25c; 25 for 40c; 100 for \$1.50, prepaid.

## Tigridia

(Shell-flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. Blooms from middle of July to September. Height, 3 ft.

Mixed. Price, each 15c; doz., \$1.50; 100, \$10.00, prepaid.

## Ranunculus (Buttercup)

Plant in November for early spring bloom in frames. Set 3 or 4 inches apart, pressing firmly into the soil, claws downwards, and cover them with sand, then with soil; keep the crown of the tubers two inches under the surface. Water them well.

Special Mixed. Doz., 50c; 100, \$3.50; 1,000, \$30.00.



MONTBRETIAS

## Montbretias

Mixed Montbretias are easily grown and their graceful flower-stems add much to any garden. They are also highly valued for cut-flowers and can be grown in flower-pots in the house. Montbretia bulbs are quite hardy and should be planted early in the spring, choosing a warm, sunny location. A sandy loam with good drainage, to which has been added some well-rotted stable manure, will give the finest flowers. When the plants come into flower, plenty of water should be given to help the free development of the flower-spikes. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.

Special Mixed. Price, each 10c; 3 for 25c; doz. \$1.00; 100, \$7.00, prepaid.

## Zephyranthus

Fairy Lily, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida—Pure white and the most profuse bloomer of all.

Price, doz., 50c; 25 for 75c; 100, \$2.75, prepaid.

Rosea—Beautiful clear rose; flowers large and very handsome.

Price, each, 15c; doz., \$1.50; 100, \$10.00, prepaid.

I got more pleasure from the 60 Gladioli bulbs for a dollar that I bought from you last spring than all my named varieties together. There have been about a dozen varieties in bloom so far.

Mrs. G. M. Jorgensen, Dell Rapids, S. D.



TIGRIDIA



TUBEROSES

## Tuberose, Double

(*Polianthes Tuberosa*.)

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut-flower. If started in warm place in pots, and end of May moved to open ground, can be flowered much earlier.

## Excelsior Dwarf Pearl Double

Mammoth Bulbs—Each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

First Size—Each, 10c; doz., \$1.00; 25 for \$1.50, prepaid.

Second Size—Price, doz., 50c; 25 for \$1.00, prepaid.

## Single Varieties

Armstrong's Ever-Blooming—This variety blooms year after year and has a fragrance similar to the "Jasmine."

Price, each, 10c; doz., \$1.00; 25 for \$1.50, prepaid.

Silver-Leaved—An early single flower, with striped leaves.

Price, each, 10c; doz., \$1.00; 25 for \$1.50, prepaid.

Albino—Branching single variety, early and very free-flowering.

Price, each, 10c; doz., \$1.00; 25 for \$1.50, prepaid.

Mexican Tuberose—They have tall, stiff stems, flowers pure white, single true tuberose fragrance.

Price, doz., 50c; 25 for \$1.00, prepaid.



ZEPHYRANTHUS





\*Umbellatum. Each, 20c.



Henryi. Each, 30c



Japonicum. Each, 30c



\*Tigrinum Splendens. Each, 15c



Elegans. Each, 20c



\*Regale. Each, 15c



Canadense. Each, 20c



Superbum. Each, 20c



\*Auratum. Each, 25c



Longiflorum. Each, 35c

## Lilies for Spring Planting

### Lily Collection No. 94

All first size bulbs. One bulb, each, as illustrated on this page, for \$2.50, prepaid; three bulbs, each, as illustrated, for \$6.50, prepaid; six bulbs, each, as illustrated, for \$12.00, prepaid.

### \*Lily Collection No. 94A

6 bulbs one each marked (\*) for \$1.00; prepaid.

**AURATUM PLATYPHYLLUM (Improved Auratum)**—Superior to Auratum in larger flowers, profuse blooming, and glossy foliage. First Size (8-9 inches), each, 30c; doz., \$3.00; 100, \$24.00; prepaid. Mammoth Size (9-11 inches), each, 45c; doz., \$4.50; 100, \$32.00; prepaid. Jumbo Size (11-13 inches), each, 55c; doz., \$5.50; 100, \$42.00; prepaid.

**\*AURATUM**—The Gold-Banded Lily of Japan, grows four to seven feet tall, blooming in July and August. First Size (8-9 in.), ea, 25c; doz., \$2.50; 100, \$20.00; prpd. Mammoth Size (9-11 in.), ea, 35c; doz., \$3.50; 100, \$25.00; prepaid. Jumbo Size (11-13 in.), ea, 45c; doz., \$4.50; 100, \$30.00; prpd.

**BATEMANNIAE**—Gorgeous deep apricot colored lily resembling Umbellatum (picture above) in shape, July flowering. 3 feet. Each, 25c; Doz., \$2.50; 100, \$20.00; prepaid.

**BULBIFERUM**—Cup-shaped Flowers of Orange-scarlet, slightly lighter in the center of each petal, while the entire flower is covered with small black dots. Each, 25c; doz., \$2.50; 100, \$18.00; prepaid.

**CANADENSE**—Mixed, red, and yellow, grows two to five feet, often many as forty flowers. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

**CERNUM**—The lilac colored Tenuifolium. Lilac-pink, spotted purple. June flowering. 2 ft. Each, 25c; doz., \$2.50; 100, \$20.00; prepaid.

**CROCEUM**—Beautiful, tall, orange lily. Each, 35c; Doz., \$3.50; 100, \$25.00.

**ELEGANS**—Mixed, two feet tall. June blooming. Mixture contains shades of red and orange. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

**HANSONI**—A beautiful Japanese lily, deep golden yellow, recurved petals. Three feet tall. Blooming late June. Each, 50c; doz., \$5.00; 100, \$35.00.

**HENRYI**—Grows four to six feet tall, five to twenty-five flowers, in late August and Sept. First Size (8-9 inches), each, 30c; doz., \$3.00; 100, \$24.00.

Mammoth Size (9-11 inches), each, 45c; doz., \$4.50; 100, \$30.00; prepaid.

**JAPONICUM (Krameri)**—A truly pink lily. Grows two to three feet tall, June flowering. Each, 30c; dozen, \$3.00; 100, \$22.00; prepaid.

**LONGIFLORUM (Hardy Easter Lily)**—Three feet tall, blooming in June. Each, 35c; doz., \$3.50; 100, \$25.00; prepaid.

**\*PARDALINUM**—The Pacific coast's "Wild Tiger Lily". Magnificent orange-scarlet, heavily spotted. Each, 25c; doz., \$2.50; 100, \$18.00; prpd.

**\*REGALE**—Large bulbs bear many flowers of a wonderful scent. 4-6 inches, each, 15c; doz., \$1.50; 100, \$10.00. 6-7 inches, each, 20c; doz., \$2.00; 100, \$15.00. 7-8 inches, each, 25c; doz., \$2.50; 100, \$18.00. 8-9 inches, each, 35c; doz., \$3.50; 100, \$25.00. 9-10 inches, each, 50c; doz., \$5.00; 100, \$35.00.

**\*RUBRUM (Magnificum)**—White, flushed pink, heavily spotted with carmine; late Aug.-Sept., bloomer. First Size (8-9 inches), each, 25c; doz., \$2.50; 100, \$18.00. Mammoth Size (9-11 inches), each, 30c; doz., \$3.00; 100, \$22.00. Jumbo Size (11-13 inches), each, 45c; doz., \$4.50; 100, \$30.00; prpd.

**SUPERBUM (American Turk's Cap)**—July and August blooming. Three to eight feet tall. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.



\*Rubrum. Each, 25c



Tenuifolium. Each, 20c

**SPEC. ALBUM (White Rubrum)**. Each, 35c; doz., \$3.50; prepaid.  
**TIGRINUM FLORA PLENO (Double Tiger Lily)**. Each, 15c; doz., \$1.60; 100, \$12.00; prepaid.

**\*TIGRINUM SPLENDENS (Tiger Lily)**—August blooming. Four to six feet tall. Large bulbs, each, 15c; doz., \$1.60; 100, \$12.00; prepaid.

**TENUIFOLIUM (Siberian Coral Lily)**—June flowering. Two to four feet, five to twenty flowers. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

Lilies will not be shipped until after March 15th, except to California and Southern States

**\*UMBELLATUM MIXED**—June flowering. Two to five feet tall. Mixed, shades of red and orange. Each, 20c; doz., \$2.00; 100, \$15.00; prepaid.

**WILLMOTTIAE**—Well grown specimens often carry more than twenty brilliant orange-red flowers, three inches across. The flowers are covered with very fine dots. 4-6 inches, each, 55c; doz., \$5.50; 100, \$42.50. 6-8 inches, each, 80c; doz., \$8.00; 100, \$60.00; prepaid.



# Vaughan's Hardy Climbing Vines

Flower lovers and gardeners know how indispensable are Vines and Climbers for beautifying one's place, especially near the house. Plant Clematis, Climbing Roses and Honeysuckles about the front porches with perhaps a vine or two of the Chinese Wisteria to climb as high as the roof. Stone or brick walls are always prettier when ivy-clad. Then going around to the rear of the house, if you have a trellis to cover, or want a screen for certain buildings, get more Honeysuckle and if you need something to cover a large space quickly, try the Kudzu vine; the Trumpet Creeper is also good. The following are the best climbers for arbors, arches, trellises, porches, etc. Remember how pretty an arbor can be. Even grapevines make a good covering.

## AKEBIA Quinata (Five-leaf Akebia)

A beautiful hardy Japanese vine, with unique foliage and chocolate-purple flowers of delightful fragrance in large clusters. The foliage is never attacked by insects, and is distinctly ornamental. Prefers a sunny situation. 2-yr., 60c; per 10, \$5.00.

## BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2-yr. vines, each, 50c; per 10, \$4.00; 3-yr., 60c; per 10, \$5.00.

## BOSTON IVY or JAPANESE CREEPER (Ampelopsis Tricuspidata or Veitchii)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2-yr., 50c; per 10, \$4.00; 3-year, 70c; per 10, \$6.00; pot-grown, 75c; per 10, \$6.50.

## CREEPER (Ampelopsis)

### Engelman's Creeper (Ampelopsis Engelmani)

One of the hardest, best and quickest growing climbers for the North and Northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 2-yr., 40c; per 10, \$3.00.

### Porcelain Creeper (Ampelopsis Heterophylla)

A handsome and refined climbing plant for use where a quick-growing, densely covered vine is desired. It is attractive all summer because of its ornamental, heart-shaped leaves, prettily incised, but is charming in autumn when its crop of berries turn a bright turquoise blue. 2-yr., 40c; per 10, \$3.50; 4-yr., 75c; per 10, \$6.00.

### Virginia Creeper or Woodbine (Ampelopsis Quinquefolia)

Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. 2-yr., 40c; per 10, \$3.00.

## SWEET AUTUMN CLEMATIS (Clematis Paniculata)

The finest small-flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Easiest to grow and most popular of all the small-flowered vines. 2-yr., 50c; per 10, \$4.00; 3-yr., 60c; per 10, \$5.00; pot-grown, 75c; per 10, \$6.50.

## LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. They should be pruned early in spring and require rich, deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

**Henryi.** Strong grower, flowers always eight-petaled, 4 to 6 inches in diameter and pure white. Very hardy. 2-yr., 75c; per 10, \$7.00.

**Jackmanii.** This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season. 2-yr., 75c; per 10, \$7.00.

**Mad. Edward Andre.** Flowers large, of a very beautiful bright velvety red, very free-flowering, and continuous bloomer. 2-yr., 75c; per 10, \$7.00.

**Gold Medal Collection.** One 2-year-old root, each, Jackmanii, Henryi and Mad. Edward Andre, \$2.00.

Can supply Large-Flowering Clematis in pot-grown plants after May 1st.

## VARIOUS SPECIES OF CLEMATIS

### Curly Clematis (Clematis Crispa)

Fine deep blue, with a white border and deliciously fragrant. Each, 50c; per 10, \$4.00. Pot-grown after May 1st.

### Pink Anemone Clematis (Clematis Montana Rubens)

The rosy-pink, Anemone-like flowers of this species are very attractive and are produced in greatest profusion over a long period. Vigorous growing. An excellent early spring flowering climber. Each, 50c; per 10, \$4.50.

### Scarlet Clematis (Clematis Coccinea)

Bell-shaped flowers, bright coral-red; blooms from June until frost. Each, 50c; per 10, \$4.00. Pot-grown after May 1st.

## DUTCHMAN'S PIPE (Aristolochia Sipho)

A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich, glossy, dark green, heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and adaptable to practically every situation, thriving in any soil, in sun or shade. 2-yr., 75c; per 10, \$6.50.

## HONEYSUCKLE (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees, and if used on terraces or embankments will prevent washing. All are perfectly hardy and improve in beauty each year.

### Everblooming Honeysuckle (Lonicera Heckrottii)

Remarkable for large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season. 2-yr., 60c; per 10, \$5.00.



CLEMATIS Jackmanii

## Trumpet Honeysuckle (Lonicera Sempervirens)

Fuchsia-like scarlet flowers, very free and beautiful. 2-yr., 50c; per 10, \$4.00; 3-yr., 60c; per 10, \$5.00.

## Yellownet Japanese Honeysuckle (Lonicera Aurea-Reticulata)

A handsome variety with foliage netted and spotted bright yellow; flowers creamy white. 2-yr., 50c; per 10, \$4.00.

## HALL'S JAPANESE HONEYSUCKLE

### Lonicera Japonica Halliana

This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, porches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. The best bloomer of all. 2-yr., 50c; per 10, \$4.00; 3-yr., 60c; per 10, \$5.00.

## HARDY ENGLISH IVY (Hedera Helix Gracilis)

This variety has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places. Each, 75c; per 10, \$6.00.

## KUDZU VINE (Pueraria Thunbergiana)

### or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and woolly. Fine for porches, arbors, old trees, etc. Strong roots, each, 40c; per 10, \$3.00.

## MATRIMONY-VINE (Lycium Chinese)

Well-known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place. Strong, 2-yr., each, 50c; per 10, \$4.00.

## SILKVINE (Periploca Graeca)

A hardy vine with brownish-purple flowers; clothed in numerous short hairs resembling silk. The leaves are long, pointed, willow-like and their glossy nature makes them more attractive than the flowers. 2-yr., 60c; per 10, \$5.00.

## SILVER LACE VINE (Polygonum Auberti)

The plant is of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. This vine does well in the East, in the Middle West and the West. 2-yr., 50c; per 10, \$4.00.

## TRUMPET CREEPER (Bignonia Radicans)

A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2-yr., 40c; per 10, \$3.00.

## WISTERIA American Purple Wisteria (Wisteria Magnifica)

A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long, pendulous racemes in advance of the opening of the foliage. 2-yr., extra strong, 50c; per 10, \$4.00; 3-yr., 65c; per 10, \$5.50.

## Chinese Wisteria (Wisteria Sinensis)

A very strong-growing vine that climbs high and twines tightly. Blooms very profusely early in summer; flower sky blue, in long, pendulous clusters. The plants we offer are grafts propagated from blooming wood. 2-yr., 75c; per 10, \$6.50.

## Pink Japanese Wisteria (Wisteria Multijuga Rosea)

The queen of the Wisterias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. 2-yr., grafted, \$2.00.

## White Chinese Wisteria (Wisteria Sinensis Alba)

Same as the Sinensis Purple except that the flowers are pure white. 2-yr., 75c; per 10, \$6.50.





DWARF BURNING BUSH

## All Prices are F. O. B. Our Nurseries. Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B & B indicates Balled and Burlapped.

### AZALEA

**Chinese Azalea** (*A. Mollis*). 3 to 4 ft. One of the most glorious of the Azaleas, with flowers of marvelous shades of yellow, orange, lemon, salmon and terra cotta. It is of dwarf, compact growth with attractive foliage and is unexcelled for planting in front of Evergreens. We can supply mixed colors only. 15 to 18 in., B. & B., each, \$2.00; per 10, \$17.50; 18 to 24 in., B. & B., each, \$2.75; per 10, \$25.00.

### BARBERRY (*Berberis*)

**Red-leaved Japanese Barberry** (*Berberis Thunbergi Atropurpurea*). 4 ft. Similar in all respects to the green-leaved Japanese Barberry, but the foliage is a rich, bronzy red, similar to the red-leaved Japanese Maples. It should be planted in full sun to develop its coloring. 12 to 15 in., each, 50c; per 10, \$4.00; per 100, \$30.00; 18 to 24 in., each, 70c; per 10, \$6.00; per 100, \$50.00.

### BEAUTY BUSH (*Kolkwitzia Amabilis*)

Its trumpet-shaped pink flowers are freely produced. Grows from 6 to 8 ft. tall and fully that wide. Absolutely hardy and makes a wonderful showing in June. One of E. H. Wilson's and the Arnold Arboretum's choicest new introductions from China. 18 to 24 in., each, 50c; per 10, \$4.00; 2 to 3 ft., each, 65c; per 10, \$5.50; 3 to 4 ft., each, \$1.00; per 10, \$9.00; 4 to 5 ft., specimens, B. & B., each, \$3.00; per 10, \$27.50.

### BUCKEYE (*Aesculus*)

**Scarlet Buckeye** (*Aesculus Discolor Mollis*). 8 to 15 ft. A large shrub with foliage and fruit similar to the Horsechestnut. Brilliantly conspicuous when in bloom. Flowers bright scarlet in slender racemes 5 to 8 inches long in May. 18 to 24 in., each, \$1.50.

### BEECH (*Fagus*)

**River's Purple Beech** (*Fagus Sylvatica Riversi*). 50 to 70 ft. Slow growing, but forms a large compact, low branched, specimen tree with smooth light gray bark. Foliage dark reddish purple in spring, turning to dark purplish green in summer. 2 to 3 ft., B. & B., each, \$6.00.

### BURNING BUSH (*Euonymus*)

**Winged Burning Bush** (*Euonymus alatus*). 6 to 8 ft. Bark cork-like and curiously winged; leaves small; fruit red; in autumn foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 2 to 3 ft., each, 75c; per 10, \$6.50; 3 to 4 ft., specimens, each, \$2.50.

**Dwarf Burning Bush** (*Euonymus alatus Compacta*). A compact form that is especially attractive in the fall when the foliage turns crimson, and the whole bush resembles a ball of fire. Fine for formal effects as it may be kept trimmed to the size and height desired. The picture shows the natural habit of the shrub without pruning. 12 to 18 in., each, \$1.00; per 10, \$9.00; 18 to 24 in., each, \$1.50; per 10, \$12.50.

**European Burning Bush or Spindletree** (*Euonymus Europaeus*). 12 to 14 ft. A tall, erect shrub, very handsome and conspicuous in autumn and winter when it is loaded with rose-colored capsules, from which orange-colored berries hang on slender threads. Rarely seen in gardens but one of our finest berried shrubs. 3 to 4 ft., each, 50c; per 10, \$4.00; 4 to 5 ft., each, 60c; per 10, \$5.00.

# Trees and Shrubs of Unusual

## BUTTERFLYBUSH (*Buddleia*)

**New Hardy Butterflybush** (*Buddleia Alternifolia*). 4 to 6 ft. A splendid new Butterflybush that does not freeze to the ground in winter. It is one of the most charming and distinctive of our shrubs when from midsummer until late fall, its long arching branches are covered with attractive lilac-purple flowers. 2-yr., each, 75c.

## CHERRY, JAPANESE FLOWERING

**Fujizan** (*Mt. Fuji*). 20 ft. A beautiful variety that produces an abundance of large double or semi-double, snow-white, fragrant flowers, about 1½ inches wide. Late flowering. 4 to 5 ft., each, \$2.25.

**Kwanzan** (*Sekizan*). 20 to 25 ft. Often called the handsomest of all the double-flowering cherries. It forms an upright spreading tree with gray bark and deep green leaves. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose. 4 to 5 ft., each, \$2.25; 5 to 6 ft., specimens, each, \$6.50; 6 to 7 ft., specimens, each, \$10.00.

**Sieboldi** (*Naden*). 20 ft. A very popular late-flowering variety. The flowers, a deep blush-pink in color, are very large and produced in great abundance. A vigorous grower adapted for street or lane plantings. 4 to 5 ft., each, \$2.25; 5 to 6 ft., specimens, each, \$6.50.

**Special Offer:** one each Fujizan, Kwanzan and Sieboldi, 4 to 5 ft., for \$6.00.

## CHERRY, JAPANESE WEeping

**Double Flowering** (New). A distinct and beautiful form of the Weeping Cherry. Its double pink flowers are large and similar in size and color to those of the variety Kwanzan. 5 to 6 ft. stem, 1-yr. head, each, \$3.50.

**Single Flowering.** A beautiful and graceful tree with slender branches covered with masses of light pink flowers in early spring. 5 to 6 ft. stem, 2-yr. head, each, \$3.00; 6 to 7 ft. stem, 3-yr. head, specimens, each, \$5.00.

## COTONEASTER

**Rock Cotoneaster** (*Horizontalis*). 1 to 1½ ft. "Most popular of the red-fruited varieties," says E. H. Wilson of the Arnold Arboretum. A dwarf shrub with densely spreading horizontal branches almost prostrate. Much appreciated in rockeries and the front of borders. 12 to 15 in., B. & B., each, \$1.00; per 10, \$9.00.

**Spreading Cotoneaster** (*Divaricata*). 5 to 6 ft. Especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggy bush from 5 to 6 ft. tall and much more in diameter. The leaves turn a brilliant crimson before they fall. An excellent hedge plant. 2 to 3 ft., each, 50c; per 10, \$4.00; per 100, \$25.00; 2 to 3 ft., B. & B., each, 75c; per 10, \$6.50; 3 to 4 ft., each, 60c; per 10, \$5.00; per 100, \$35.00; 3 to 4 ft., B. & B., each, \$1.00; per 10, \$7.50.

## CRAB, FLOWERING (*Malus*)

**Bechtel's Double-Flowering Crab** (*Malus Ioensis Bechteli*). 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., each, \$1.50; per 10, \$12.50; 4 to 5 ft., each, \$2.00; per 10, \$17.50; 5 to 6 ft., each, \$3.00; per 10, \$27.50; 6 ft., specimens, each, \$8.00; 8 ft. specimens, each, \$12.00.

**Carmine Crab** (*Malus Atrosanguinea*). 10 to 15 ft. Similar to the Japanese Flowering Crab, but with deep carmine flowers which do not fade. 3 to 4 ft., 4 to 5 ft.; 5 to 6 ft.; 6 to 8 ft.

**Redvein Crab** (*Malus Niedzwetzkyana*). 10 to 15 ft. A showy tree with remarkable single red flowers followed by red fruits about one inch in diameter in October. Bark and wood are tinged with red. 3 to 4 ft.; 4 to 5 ft.; 5 to 6 ft.; 6 to 8 ft.

**Japanese Flowering Crab** (*Malus Floribunda*). 10 to 15 ft. Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter and is greatly relished by the birds. 3 to 4 ft.; 4 to 5 ft.; 5 to 6 ft.; 6 to 8 ft., specimens.

Price of above, except where noted, 3 to 4 ft., each, \$1.00; per 10, \$9.00; 4 to 5 ft., each, \$1.50; per 10, \$12.50; 5 to 6 ft., each, \$1.75; per 10, \$15.00; 6 to 8 ft., each, \$3.00; 6 to 8 ft. specimens, each, \$8.00. Sizes which we have to offer, noted after each variety.

## DAPHNE

**Rose Daphne** (*Daphne Cneorum*). 1 ft. A gem for the rock garden or for edging borders. A dwarf evergreen shrub of trailing habit with leaves of dark glossy green, glaucous beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, poor gravelly soil. In cold climates the plants should be protected during winter. 8 to 10 in., B. & B., each, \$1.00 per 10, \$9.00; 10 to 12 in., B. & B., each, \$1.25; per 10, \$11.50.

## DOGWOOD (*Cornus*)

**Red Flowering Dogwood** (*Cornus Florida Rubra*). 15 ft. A small, upright growing tree that produces large, deep rose-colored flowers in early spring. Very showy. Foliage grayish green, turning to brilliant crimson in autumn. For best results, mulch after the ground is frozen in the fall and do not remove it until in late spring. 2 to 3 ft., B. & B., each, \$2.50; 3 to 4 ft., B. & B., each, \$3.00.

## ELM (*Ulmus*)

### 3 Quick Growing Varieties

**American Elm, Moline Type** (*Ulmus Americana Molini*). 80 to 100 ft. Grafted from a specimen tree. The young trees of this type are conical in shape, becoming, when older, more spreading with branches almost horizontal. Rapid in growth and much superior to seedling trees.

**American Elm, Vase Type** (*Ulmus Americana Urmi*). 80 to 100 ft. These grafted Elms are all uniform in habit, and especially recommended for use in landscape and boulevard planting where grace, dignity, uniformity, and rapid growth are desired. It is a true vase-shaped tree.

**Chinese or Siberian Elm** (*Ulmus Pumila*). 75 ft. On account of its rapid growth, resistance to disease, and ability to thrive in most any situation, this new variety is already one of the most popular shade and street trees in America. A tree of rare beauty with small, dark green foliage. Prices of the above 3 Elm Trees as follows:

Height	Caliper	Each	10 for
8 to 10 ft.	1¼ to 1½ inch. ....	\$2.25	\$20.00
10 to 12 ft.	1½ to 1¾ inch. ....	3.00	27.50
10 to 12 ft.	1¾ to 2 inch. ....	4.00	37.50

## FIRETHORN (*Pyracantha*)

**Laland Firethorn** (*Pyracantha Coccinea Lalandi*). 5 to 6 ft. An almost evergreen shrub allied to both the Thorn and Cotoneasters. Dwarf with slender branches with numerous short thorns. Flowers white, in large clusters, followed in fall by brilliant orange-berried. Prefers a sunny location in almost any soil. 18 to 24 in., B. & B., each, \$2.00; per 10, \$17.50; 2 to 2½ ft., B. & B., each, \$2.75; per 10, \$25.00; 3 ft., specimens, B. & B., each, \$4.00.

## HAWTHORN (*Crataegus*)

**Paul's Double Scarlet Hawthorn** (*Crataegus Oxyacantha Splendens*). 12 to 15 ft. The most beautiful and showy of the double-flowering thorns, with lovely blossoms of bright scarlet color, large, full and very double. It forms a small tree or large shrub, and makes a fine specimen for the lawn. 3 to 4 ft., tree form, each, \$1.25; per 10, \$10.00; 4 to 5 ft., tree form, each, \$2.00; per 10, \$17.50; 5 to 6 ft., \$3.00.

## HEATHERMINT (*Elsholtzia Stauntoni*)

**Heathermint** (*Elsholtzia Stauntoni*). 3 to 4 ft. An excellent autumn flowering shrub producing attractive spikes of redish purple flowers, resembling heather, in September and October. The leaves of the plant when bruised, emit a mint fragrance. Plant in a sunny location. 18 to 24 in. each, 75c; per 10, \$6.50.

We have a large collection of Flowering Crabs. Write for special price list.

HEATHERMINT (*Elsholtzia Stauntoni*)



# Beauty and Distinctive Charm

## HONEYSUCKLE (*Lonicera*)

**Broad Blueleaf Honeysuckle** (*Lonicera Korolkowii* Floribunda). 10 ft. Twiggy growth, arching in habit and with a mass of gray-green foliage. The masses of delicate pink flowers are carried high on the plants producing a misty effect. Conspicuous dark red fruits. 2 to 3 ft., each, 65c; per 10, \$5.00; 3 to 4 ft., each, 75c; per 10, \$6.00.

**Late Honeysuckle** (*Lonicera Maackii* Podocarpa). 12 to 15 ft. Widespread branches abundantly clothed with dark green foliage. Its honey-scented flowers open white tinged with pink and fade to cream. Although it blooms in June, its brilliant scarlet fruit does not ripen until November. 2 to 3 ft., each, 75c; per 10, \$6.00; 3 to 4 ft., each, \$1.00; per 10, \$7.50.

## HYDRANGEA, Oak Leaved

**Oak-leaved Hydrangea** (*Hydrangea Quercifolia*). 3 to 5 ft. The leaves are a dark green in summer, turning to richest red in autumn. They will stand some shade and smoky city conditions and are well adapted to foundation or low border plantings. Its flowers are pinkish white, borne in upright clusters in June. 2 to 3 ft., each, \$1.00; per 10, \$9.00.

## HYBRID LILACS (*Syringa*) New and Rare Varieties

**Berryer.** Very early, long trusses of semi-double mauve flowers. Blooms a long time. 2 to 3 ft.; 3 to 4 ft.

**Diderot.** Single, enormous panicles, one foot long, with large claret-purple flowers; very free. 2 to 3 ft.; 3 to 4 ft.

**Edouard Andre.** Double; clear rose or nearly pink, one of the best of this color. 2 to 3 ft.; 3 to 4 ft.

**Jean Mace.** Double, broad, compact panicles, irregular flowers, mauve, fading to bluish, an early and very floriferous variety. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.

**Leon Gambetta.** Double; enormous trusses; very large, lilac-rose flowers, very pretty. 2 to 3 ft., each, \$1.50; 3 to 4 ft., each, \$2.00; 4 to 5 ft., each, \$3.00.

**Louvois.** Very early, single; voluminous clusters of large flowers, deep violet-purple with bluish shades. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.; 4 to 5 ft. specimens.

**Montaigne.** Double. Pinkish mauve, very large clusters. Late. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.

Prices of above, except where noted, 2 to 3 ft., each, \$1.25; per 10, \$10.00; 3 to 4 ft., each, \$1.75; per 10, \$15.00; 4 to 5 ft., each, \$2.25; per 10, \$20.00; 4 to 5 ft. specimens, each, \$5.00. Sizes which we have to offer noted after each variety.

We have a large collection of Lilacs.  
Write for special price list.



JAPANESE FLOWERING CHERRY

## Outstanding Lilac Novelties

**Jan Van Tol.** Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., each, \$1.50.

**Katherine Havemeyer.** Double, cobalt blue, flushed mauve; enormous flower of the most perfect shape with broad imbricated lobes. One of the handsomest lilacs. 2 to 3 ft., each, \$2.00.

**Mrs. Edward Harding.** Double, bright carmine, big panicles of large, full flowers. This variety was awarded the special prize founded by Mrs. Edward Harding for the best double red lilac. 2 to 3 ft., each, \$2.00.

**President Poincare.** Immense, double violet flowers in large compact trusses. One of the handsomest of all Lilacs. Very fragrant. 2 to 3 ft., each, \$2.00.

**SPECIAL OFFER.** One each of the above four Lilacs for \$6.00.

## MAGNOLIA

**Saucer Magnolia** (*M. Soulangeana*). 20 ft. A vigorous grower and one of the hardest of the genus. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, delightfully fragrant, rosy pink when in bud, pure white when open. A full-sized tree is a gigantic bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., B. & B., each, \$6.00; 3 to 4 ft., B. & B., each, \$8.50; 4 to 5 ft., B. & B., each, \$12.00.

**Star Magnolia** (*M. Stellata*). 12 ft. The first Magnolia to blossom. No plant flowers more freely and in early spring its semi-double, snow-white flowers of stately form appear in countless numbers and attract attention on all sides. 18 to 24 in., B. & B., each, \$7.50; 2 to 3 ft., B. & B., each, \$10.00.

## MOCK ORANGE (*Philadelphus*)

**Dame Blanche** (*White Lady*). 4 ft. Small foliage and upright branches to about four feet. Semi-double fringed flowers, creamy white and very fragrant. 2 to 3 ft., each, 60c; per 10, \$5.00. 3 to 4 ft., each, 75c; per 10, \$6.00.

**Norma.** 7 to 8 ft. Usually large, glossy white, single flowers in good sized sprays. An upright grower with light green leaves. 2 to 3 ft., each, 60c; per 10, \$5.00; 3 to 4 ft., each, 75c; per 10, \$6.00.

**Virginalis.** 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white, and sweet-scented. It has a long blooming season, the new wood producing large individual, single or semi-double flowers throughout the summer. 2 to 3 ft., each, 50c; per 10, \$4.50; 3 to 4 ft., each, 60c; per 10, \$5.00; 4 to 5 ft., bushy, each, 75c; per 10, \$6.00; 4 to 5 ft., specimens, each, \$2.00.

## OREGON HOLLYGRAPE (*Mahonia Aquifolia*)

**Oregon Hollygrape** (*Mahonia Aquifolia*). 2 to 4 ft. An almost evergreen shrub with dark lustrous green, spiny toothed leaves that look like holly. Flowers yellow, in dense clusters appearing in spring. Berries blue or nearly black. Splendid for planting in semi-shade. 12 to 15 in., B. & B., each, 75c; per 10, \$6.00; 15 to 18 in., B. & B., each, \$1.00; per 10, \$9.00; 18 to 24 in., B. & B., each, \$1.25; per 10, \$11.50.

## NEW HYBRID RUGOSA ROSES

**Agnes.** 5 to 6 ft. The flowers are a rich amber yellow, double, sweetly scented and come early in June. It is a vigorous grower with grey-green, crinkled foliage. 2-year, each, \$1.00; per 10, \$9.00.

**F. J. Grootendorst.** 5 to 6 ft. A cross between the Rugosa and the Crimson Baby Rambler. The plant is vigorous, will attain a height of six feet. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost, 2 year, each, 75c; per 10, \$6.00.

**Pink Grootendorst.** 5 to 6 ft. A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2-year, each, 75c; per 10, \$6.00.

**SPECIAL OFFER.** One each of the above three Rugosa Roses for \$2.25.

## GOLDEN ROSE OF CHINA (*Rosa Hugonis*)

**Golden Rose of China** (*Rosa Hugonis*). 6 ft. This is one of the earliest roses to bloom and it makes a very spectacular show when the long arching branches are thickly set with lovely single yellow flowers in May. Attains a height of six feet when fully matured. It never winter-kills. 2 year, each, 60c; per 10, \$5.00; 3-year, each, 75c; per 10, \$6.00; 4-year, each, \$1.00; per 10, \$9.00.



ROSE Daphne

## SNOWBALL (*Viburnum*)

**Viburnum Carlesi** (*Fragrant Snowball*). 4 ft. This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious, clove-scented fragrance and is considered by the Arnold Arboretum as Korea's great gift to our gardens. Hardy, but best planted in a somewhat sheltered position. 18 to 24 in., each, \$1.75; 18 to 24 in., B. & B., each, \$2.00; 24 to 30 in., B. & B., each, \$3.00; 2 1/2 to 3 ft., specimens, \$6.00.

**Viburnum Fragens.** 8 to 9 ft. A very rare and interesting new shrub that blooms in April. At that time its leafless branches are clothed with profuse trusses of pearl-pink flowers that are deliciously fragrant. Will be much planted for its loveliness and fragrance. 18 to 24 in., B. & B., each, \$2.50; 2 to 3 ft., B. & B., each, \$3.00; 3 to 4 ft., B. & B., each, \$5.00.

## WITCH HAZEL (*Hamamelis*)

**Winter-Blooming Witch-Hazel** (*Hamamelis Vernalis*). 5 to 6 ft. Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, redish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 2 to 3 ft., each, \$1.00; per 10, \$9.00; 3 to 4 ft., each, \$1.50; per 10, \$12.50; 4 to 5 ft., each, \$2.00. 5 to 6 ft., specimen, B. & B., each, \$3.00.

## WINTERCREEPER (*Euonymus*)

This group of trailing Euonymus are valued for their dense evergreen foliage and hardiness. They can be used for ground covers on terraces or under trees and are very effective when planted with Evergreens.

**Bronze Wintercreeper** (*Euonymus Radicans* *Colorata*). A fine new variety introduced by the Arnold Arboretum, with bright red foliage in winter. 2-year, each, 50c; per 10, \$4.00; 3-year, each, 60c; per 10, \$5.00.

**Bigleaf Wintercreeper** (*Euonymus Radicans* *Vegetus*). This is our best hardy evergreen vine. It has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. 2-year, each, 60c; per 10, \$5.00; 3-year, each, 75c; per 10, \$6.00.



AZALEA A. Mollis

We Carry a Complete Line of Shrubs, Trees, Evergreens, Fruits, Etc. Ask for Price List.



# Insecticides and Fungicides

Unmailable—Insecticides Containing Poison CANNOT be Sent by Mail—by Express Only



**ANTIOL ANT POWDER.** Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can. Each, 20c.

**ANTIOL.** Sets containing 4 jars and 4-oz. bottle of syrup, price, 75c; extra jars each, 15c. 4 oz. bottle syrup, 35c; Pint bottle of syrup, 85c; gal., \$3.75.

**ANTIOL READY FILLED SETS.** Consisting of four patented glass "feeders" filled with regular antrol syrup price per set 50c.



**ANT EXTERMINATOR.** Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns etc. (We do not send this outside of States of Illinois and New York.) Per box, 40c; smaller size, 25c; by mail, 5c extra.

**APHIS SPRAY.** Improved Nicotine Spray. Combining a soft fish oil soap with black leaf 40. Price per oz. tube, 35c; 12 oz. tube, 95c.



**APHINE.** ½ pt., 40c; 1 pt., 75c; 1 qt., \$1.10; 1 gal., \$3.00.

**BLACK LEAF 40.** is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 35c; 5 oz. can, \$1.00, makes 40 to 100 gallons; 1 lb. bottle, \$2.10, makes 40 to 200 gallons; 2-lb. can, \$3.10, makes 200 to 500 gallons; 5 lb. can, \$5.85, makes 400 to 1000 gallons; 10-lb. can, \$10.15, makes 840 to 2100 gallons.

**BLACK ARROW DUST.** A non-poisonous pyrethrum dust, effective against many insects. Price 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00; 100 lbs., \$25.00.

**LIME SULPHUR.** (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Per qt. can, 45c; 1 gal., \$1.00; 5-gal. can, \$4.00. Write for prices in barrel lots.

**DRY LIME SULPHUR.** For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$12.50.

**BORDEAUX MIXTURE.** (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 40c; 4 lbs., \$1.10; case of 24 lbs., \$5.00.

**CALCIUM ARSENATE.** (Dry.) Lb., 40c; 4 lbs., \$1.25.

**CARBON DISULPHIDE.** For ants and cut worms. 1 lb., 50c; ¼ lb., 25c.

**DERRISOL.** Is an odorless nonpoisonous liquid, which will control sucking insects like aphids, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; 8 oz., \$1.20; 2 lbs., \$3.00; 10 lbs., \$12.00.

**EVERGREEN.** Non-poisonous insecticide. Oz. bottle, 35c; 6-oz. bottle, \$1.00; 16-oz. bottle, \$2.00; 32-oz. bottle, \$3.50.

**EVERGREEN 20.** For commercial growers, a highly concentrated pyrethrum plant insecticide. Gal., \$9.90; 5 gals., \$42.50; 10 gals., \$77.50.



**FLOWERS OF SULPHUR.** Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.00.

**FISH-OIL SOAP.** Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**FORMALDEHYDE DUST.** Control "Damping off" of flower and vegetable seedlings. Price, 1 lb., 50c; 5 lbs., \$1.50; 25 lbs., \$4.50.

**FUNGINE.** New remedy for mildew, rust and other fungus, diseases for greenhouse and outdoor use. Pint, 65c; 1 qt., \$1.10; gal., \$3.00.

**GRAPE AND ROSE DUST.** Excellent for the prevention and destruction of mildew on plants. 1 lb., 35c; 5 lbs., \$1.00; 10 lbs., \$1.80.

**HELLEBORE POWDERED, White.** Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., \$2.25; 10 lbs., \$4.00.

**LEMON OIL.** Destroys mealy bug, scale, red spider. ½ pt., 30c; pt., 50c; qt., 75c; ½ gal., \$1.50; gal., \$2.50; 5 gals., \$10.00.



**KALITE.** A better and safer protection for vegetables, fruits and flowers. A non-poisonous insecticide in powder form for controlling chewing and eating insects; not to be mixed with water; can be applied with any standard duster. Price, 1 lb., 35c; 3 ½ lbs., \$1.00; 50 lbs., \$5.50.



**KALOIL.** Self spreading, free flowing pyrethrum spray; mixes freely with hard or soft water at all normal temperatures, without using soap, heating or extra handling; a contact insecticide which kills most insects such as aphids, plant lice, leaf hoppers, red mites, etc. Price, 1 ½ oz., can, 35c; 6 oz., can, \$1.00; 32 oz., can, \$3.50; gal., \$11.75.

**McCLOUD SENTINEL RED SQUILL LIQUID.** Kills rats, not a poison safe to use anywhere. Small size makes 50 baits, price 60c; large size makes 100 baits, price \$1.00; by mail, add 10c.

**NICO-FUME POWDER FUMIGATOR.** Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 1-lb. tin, \$1.00; 5-lb. tin, \$3.35; 10-lb. tin, \$5.85.

**NICO-FUME LIQUID.** For fumigating or spraying; contains 40 per cent nicotine. 1 lb., \$2.00; 4 lbs., \$5.85; 8 lbs., \$10.85.

**"NICO-FUME." A Tobacco Paper for Fumigating.** Strips of paper strongly saturated with Nicotine. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, \$1.25; 144 sheets, \$4.50; 288 sheets, \$8.00.



**NICOTROL.** An activated nicotine spraying preparation made by combining nicotine and penetrol. Qt., \$1.25; gal., \$2.75; 5 gals., \$10.50.

**NICOTINE.** Fumigating powder. 10 lb. cans, each, \$5.85.

**NAPTOCIDE.** New plant and bulb fumigant, effective against thrips, woodlice, sow bugs, wire worms, etc. 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.00; 50 lbs., \$6.00.

**PENETROL.** An activator for nicotine spraying solutions. Qt., 75c; gal., \$1.75; 5 gals., \$6.75.

**ACME DAWG-GONE.** Keep dogs away from Evergreen. Remove cap and hang tube of Dawg-Gone (opening down) in the lower branches of trees at the points of approach. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year winter or summer. Tubes, 35c each or 3 for \$1.00.

**ACME ALL ROUND SPRAY.** The latest improvement in the insecticide field, one product which will combat blight and fungus diseases, control sucking insects and destroy chewing insects in one application; safe to use on almost all fruits, vegetables, flowers and shrubs. Per ¼ lb., 35c; 1 lb., 85c.



**SULPHATE OF IRON.** A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.45; 50 lbs., \$2.25; 100 lbs., \$3.50.

**ARSENATE OF LEAD.** (Dry.) For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb., 40c; 4 lbs., 95c; case of 24 lbs., \$4.50; 100 lbs., \$14.00.

**PYROX.** Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, 1 lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25; 50 lbs., \$7.25; 100 lbs., \$12.50.

**NICOTINE PYROX.** For chewing and sucking insects. 10 oz., jar 50c; 40 oz., \$1.75.

**NIKOTEEEN.** 30% grade. For Spraying and Fumigating. Oz. bottle, 35c; ½ pt., \$1.00; pt., \$1.75; 3 pts., \$5.00; original case 10 pts., \$16.00. 40% grade. 4 lbs., \$5.75; 8 lbs., \$10.00.

**Pomo-Green** Without nicotine. The new green Fungicide for roses and other flowers and ornamentals; will control black spot, mildew, and chewing insects. Lb., 50c; 5 lbs., \$1.75; 50 lbs., \$11.00.

**POMO GREEN.** With nicotine. 1 lb., 75c; 5 lbs., \$3.00.

**PARIS GREEN.** A poisonous insecticide in powder form, for insects which chew. ¼ lb., 20c; ½ lb., 35c; per lb., 55c; 5 lbs., \$2.50; 14 lbs., \$6.00.

**RED ARROW.** Non-poisonous, kills by contact will not burn or stain tenderest foliage, oz. will make 4 to 8 gals., spraying solution. Oz., 35c; ¼ pint, \$1.00; qt., 60c; gal., \$1.50.



**ROTACIDE.** Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphids etc. Oz., 35c; pt., \$1.75; qt., \$3.00; gal., \$8.00.

**SELOCIDE.** Kills red spiders. Price, qt., \$1.00; gal., \$2.75; 5 gals., \$12.00.

**SEMESAN.** The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli and disinfection of seed bed soil. Prices, 2 oz., 50c; 1 lb., \$2.75; 5 lbs., \$13.00; 25 lbs., \$56.25; 100 lbs., \$220.00. Write for leaflets, stating for what purpose desired.

**SNAROL.** An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Price, 1 ½ lb., 35c; 4 lbs., 85c; 15 lbs., \$3.00; 50 lbs., \$8.00.

**SCALECIDE.** An oil preparation for San Jose scale. Use 1 gal. to 15 gals. water. Qt., 65c; gal., \$1.50; 5 gals., \$5.25; 10 gals., \$9.25. Write for price in barrel lots.

**SLUG SHOT, Hammond's.** Guaranteed to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb., 25c; 5 lb. tin 75c; 25 lb. bag, \$3.50. Per keg, 125 lbs., \$16.50; barrel, 50 lbs., in bulk, \$33.00.

**Slug Shot Duster.** ½ gal. size, 60c.

**SHEPS PLANT SPRAY.** An effective non-poisonous solution that kills and controls both sucking and chewing insects. 2 oz., bottle, 35c; ½ pt., 75c; pt., \$1.25; qt., \$2.00; gal., \$6.35; 5 gals., \$30.00.

**THRIP JUICE No. 2.** Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 65c; qt., \$1.25; gal., \$4.80.

**TOBACCO DUST.** (Regular Grade.) 5 lbs., 35c; 10 lbs., 65c; 100 lbs., \$4.00.

**TOBACCO STEMS.** 100 lbs., \$2.50; 500 lbs., \$9.50; 1000 lbs., \$18.00.

**TREE TANGLEFOOT.** Perfect safeguard for trees. Lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.25; 25 lbs., \$11.00.

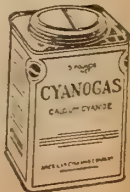
**VERMINE.** For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. ½ pint, 40c; pint, 75c; quart, \$1.10; gal., \$3.00.

**VOLCK.** The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. ½ pint, 35c; pint, 55c; qt., 80c; gal., \$2.50; 5 gal., \$7.50.

**WILSON'S O. K. PLANT SPRAY.** A powerful yet harmless and efficient insecticide for aphid, red spider, mildew scale, etc. Price, ½ pint, 40c; quart, \$1.00; gallon, \$3.00; 5 gallons for \$12.00.

**CYANOGAS CALCIUM CYANIDE "G."** Greenhouse fumigant. Aphid, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$30.00. Write for leaflet.

**WONDER-GROWTH Insecticide, Fumigant and Fertilizer.** A finely ground ALL Tobacco Insecticide, Fumigant and Fertilizer. Very effective in all three of its uses. A very excellent plant food for flowers, lawns, gardens, and shrubbery. 25 lbs., \$1.75; 100 lbs., \$4.75.





# Sprayers, Dusters for Insecticides

## The Hudson Barrel Cart

Sprayer is a 50 gallon portable Sprayer desirable for use where the trees or bushes are too close or too low to permit driving a wagon through between them. It is easily and quickly wheeled from place to place. After the spraying is completed, the cart can be detached and used for hauling water, etc. The Pump and Barrel can also be used as a separate unit when desired.

**Pump.** Our regular 4AS Barrel Pump fastened in top of barrel with malleable clamps. Easily removed for cleaning, etc. Fitted with non-clogging tubular brass strainer and dasher agitator which cleans it automatically at each stroke of pump.

**Tank.** 50 gallon welded steel barrel, which will not warp, crack or check. Wood barrel can be furnished on special orders. Fitted with filling hole cover to prevent spilling.

**Discharge Equipment.** 6 feet of  $\frac{3}{4}$ -inch 5-ply spray hose and a 4-foot extension rod—total 10 feet, and Ideal angle spray nozzle.

**Cart.** Steel frame and handles. Wheels are 36 inches diameter with 2-inch tire. Will pick up any barrel without the use of special fittings.

**Shipping Weight.** Cart only, 90 pounds. Pump and Barrel, 128 pounds. \$36.00.

See page 103 for insecticide nozzles.



## Wheelbarrow Sprayer

Ideal No. 32S

Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or white-wash. With extra long handle and large air chamber, develops 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 15 gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. Price, \$21.50.

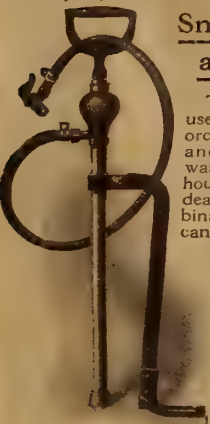
**Shipping weight,** 80 lbs.

Wheelbarrow, same capacity as the above, with smaller pump, each, \$13.50.

## Smith's Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and automobiles or white-washing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream, solid or in fine spray. It is one of the best pumps made for the money.

Price, complete, without bucket, \$5.00.



## Hand Barrel Pump

No. 4 A.S.

Equipped with 12½ ft. high pressure spray hose, nozzle and fittings. Without barrel. Price, \$10.95; Barrel \$9.00 extra.

Write for prices on power sprayers.

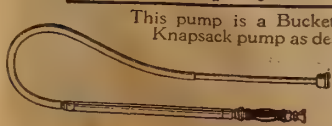
## Lightning

Compressed air sprayer is designed to give the purchaser the greatest possible value at an attractive price. Can be used with whitewash and cold water paints, insecticides, disinfectants, shingle stains, etc. Galvanized tank, complete, \$3.95.



## Standard Spray Pump

This pump is a Bucket, Barrel or Knapsack pump as desired. Price, \$4.00; with knapsack and curved extension, \$8.00.



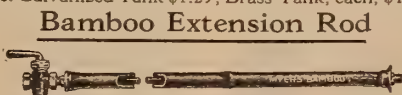
## Hudson Perfection Sprayer

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for White-wash, Water plants, insecticides, etc. Galvanized steel, \$6.50; all Brass, \$9.00.



## Pneumatic Sprayer

labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank \$1.25; Brass Tank, each, \$1.85.

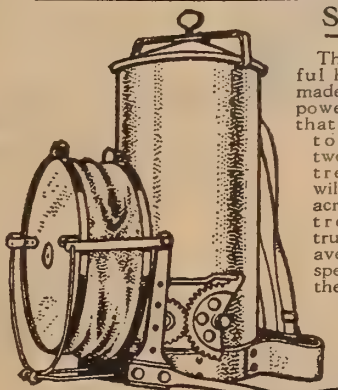


## Bamboo Extension Rod

Lined with aluminum. Eight feet long, with stop cock. Each, \$4.75.



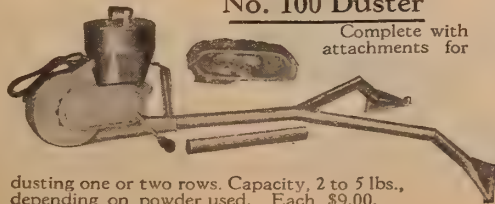
## The American Beauty Dust Sprayer



ing air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$18.00. Write for leaflet.

## No. 100 Duster

Complete with attachments for



dusting one or two rows. Capacity, 2 to 5 lbs., depending on powder used. Each, \$9.00.

## The Auto Spray

Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes.

"Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.

Price, galvanized iron reservoir, with Auto Pop, \$6.50; solid brass reservoir, with Auto Pop, \$9.00. Extension rods, 2-foot lengths, 50c. Two-row attachments, \$1.50.



## Sprayit Hydro Mixing Nozzle



Applies fertilizer and insecticides as easily as sprinkling the lawn, adjustable from a wide finely atomized fog spray to a high stream for reaching the top of trees. Each, \$3.95.

## Bottle Sprayer

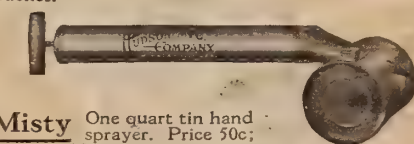
Especially adapted for spraying insecticides, flowers, houseplants and disinfectants. Each, \$1.25.



## Myers Little

## Giant Bucket Spray Pump

with agitator, complete with hose and combination fine or coarse spray and solid-stream nozzle, with malleable foot rest. Price, complete, \$4.50, without bucket.



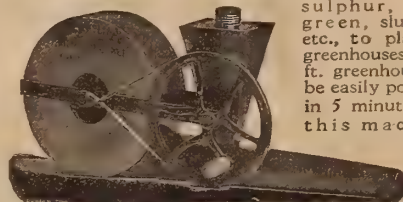
**Misty** One quart tin hand sprayer. Price 50c; by mail, 60c.

**Lowell** Mason Jar sprayer, holds 1 qt. Each, 75c.

# DUSTERS AND BLOWERS

## Peerless Blower

The best machine on the market for applying sulphur, Paris green, slug shot, etc., to plants in greenhouses. A 200-ft. greenhouse can be easily powdered in 5 minutes with this machine. Each, \$9.00.



## Feeney Model B Duster

Splendid Hand Duster, Each, \$1.00.



## The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. Price, each, 85c.

## Powder

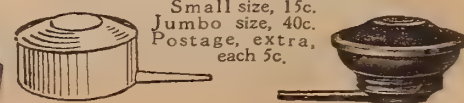
## Bellows



For dusting with sulphur or like material. No. 11. Length, 17 inches over all. Each, \$2.50. No. 16. Length, 21 inches over all. Each, 3.50.

## Powder Gun, Cyclone

Small size, 15c. Jumbo size, 40c. Postage, extra, each 5c.





# Vaughan's High Grade Fertilizers

Prices F. O. B. New York

## VAUGHAN'S BALANCED PLANT RATION (5-8-7)

Five per cent nitrogen; eight per cent phosphoric acid; seven per cent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash) which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water. Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.40; 50 lbs., \$2.35; 100 lbs., \$3.75; 500 lbs., \$15.00; 1000 lbs., \$27.00; 2000 lbs., \$50.00.

**Adco Artificial Stable Manure.** Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 25 lb. bag, \$2.00; 150 lbs., \$10.50. Write for booklet.

**Sulphate of Ammonia.** Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet. Price, 25 lbs., \$1.65; 50 lbs., \$2.60; 100 lbs., \$4.25; 500 lbs., \$18.00.

**Hardwood Ashes.** Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards. Price, 25 lbs., \$1.20; 50 lbs., \$1.95; 100 lbs., \$3.35; 500 lbs., \$14.00; 1000 lbs., \$25.00; 2000 lbs., \$48.00.

**Bone and Blood.** Tankage. For Cabbage, Cauliflower, Corn and other crops of big surface growth not desirable for root crops except it is used in connection with potash salts, or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 500 lbs. per acre. Price, 25 lbs., \$1.60; 50 lbs., \$2.60; 100 lbs., \$4.35; 500 lbs., \$16.00; 1000 lbs., \$29.00; 2000 lbs., \$54.00.

## VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 3.70 per cent; total phosphoric acid, 20 per cent. Price 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.45; 50 lbs., \$2.45; 100 lbs., \$4.25; 500 lbs., \$17.00; 1000 lbs., \$31.50; 2000 lbs., \$60.00.

**REGULAR BONE MEAL.**—Price, 25 lbs., \$1.35; 50 lbs., \$2.25; 100 lbs., \$4.15; 500 lbs., \$16.00; 1000 lbs., \$29.00; 2000 lbs., \$56.00.

**Dried Blood.** For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds; of pot plants. Price, 100 lbs., \$5.50; 500 lbs., \$20.00; 1000 lbs., \$38.00; 2000 lbs., \$72.00.

**Shredded Cattle Manure.** Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. Price, 100 lbs., \$4.10; 500 lbs., \$18.00; 1000 lbs., \$33.00; 2000 lbs., \$62.00.

**Clay's Fertilizer.** This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil as a top-dressing. Price, 7 lbs., \$1.25; 14 lbs., \$2.00; 28 lbs., \$3.50; 56 lbs., \$6.50; 112 lbs., \$12.00.

**Super Phosphate.** Twenty per cent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. Price, 25 lbs., 95c; 50 lbs., \$1.45; 100 lbs., \$2.10; 500 lbs., \$9.00; 1000 lbs., \$15.50; 2000 lbs., \$29.00.

## SPECIAL TRUCK AND FARM MANURE 5-8-3

This is a good grade of concentrated Manure, suitable for lawns and flowers as well as vegetables mentioned below. It is of exceptional value and will prove a money maker to every farmer or gardener who uses it. Price, 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.50; 500 lbs., \$15.00; 1000 lbs., \$27.50; 2000 lbs., \$50.00.

**THOMPSON'S "SPECIAL" TOP-DRESSING MANURE.** Also called "Chrysanthemum" Manure. An excellent stimulating manure for top dressing for Chrysanthemums and similar plants. It is entirely soluble and very powerful, especially suitable for top-dressing plants in pots during the growing season. A heaped dessert spoonful will be sufficient for a ten-inch pot, sprinkled over the surface of the soil and watered in with tepid water. This may be given three times during the growing seasons. Best results will follow. Price, 7 lbs., \$1.00; 14 lbs., 1.75; 28 lbs., \$3.00; 56 lbs., \$5.50; 112 lbs., \$10.00.

**THOMPSON'S VINE, PLANT AND VEGETABLE MANURE.** So compounded as to combine stimulating with lasting effects. A safe and reliable food and stimulant for every fruit-bearing plant, for foliage and flowering plants, for vegetables and outdoor plants of every description; admirably adapted for mixing with the soil when potting in the proportion of 4 lbs. to each wheelbarrow of soil. Price, 14 lbs., \$1.75; 28 lbs., \$3.00; 56 lbs., \$5.50; 112 lbs., \$10.00.

**Leaf Mold.** For correcting of clayey and sandy soil conditions. Price, 100 lbs., \$1.90; 1000 lbs., \$16.50; 2000 lbs., \$29.00.

**Loma.** Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in Nitrates, Phosphates and Potash. Price, 1 lbs., 15c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

**Muriate of Potash.** Imported Potash, once again available, should be used liberally, especially for all root crops. Price, 25 lbs., \$1.65; 50 lbs., \$2.90; 100 lbs., \$4.85.

## Vaughan's Lawn and Garden Fertilizer (5-8-6)

Five per cent nitrogen; eight per cent phosphoric acid; six per cent potash.—This mixture differs from our balanced plant ration, in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor, and the quality being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet, stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$17.00; 1000 lbs., \$31.00; 2000 lbs., \$59.00.



## VAUGHAN'S CONCENTRATED PLANT FOOD.

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers. It is entirely free from objectionable odor and may be used in powder form or dissolved in water to make liquid fertilizer. It contains all the chemical elements known to be of value as plant food.

Package containing food for 20 plants for 3 months, large package containing sufficient plant food for one year. Directions in package. Small package each, 20c, if by mail, 25c; large packages, each 30c, if by mail, 35c.

## Pulverized Limestone.

Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the last plowing or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lbs., \$1.75; 500 lbs., \$7.00; 1000 lbs., \$11.00; 2000 lbs., \$18.00.

## Hydrated Lime.

Price, 5 lbs., 25c; 50 lbs., \$1.00; 100 lbs., \$1.65; 500 lbs., \$6.50; ton \$17.00.

## Bloom Aid Tablets.

Best for potted plants; bury each tablet about one inch down in the soil; they disintegrate rapidly; use two tablets for 4 inch pot. Directions enclosed in each package. Price per package of 125 tablets 25c; by mail 30c.

## Bloom Aid Liquid Form.

Quickest in action for feeding sickly backward plants. 8 oz., bottle 50c; mail 60c. Full directions on bottle.

## Bloom Aid.

Is a food for hungry plants, a complete nourishment for plants, flowers, shrubs, vegetables, trees, and lawns. Carefully blended to contain the right forms and proportions of Nitrogen, Phosphoric Acid and Potash. Price 1 lb., 25c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

## Nitrate of Soda or Chili Saltpeter.

Nitrate of Soda is a substitute for other Manures, but one of the cheapest and best forms in which to apply Nitrogen plants. Do not let nitrate touch green growth or it will burn. Remove lumps before using and break them up, which can be done by pounding. For the Home Garden apply as a solution one ounce to two gallons of water. Price (subject to market changes), 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.50; 50 lbs., \$2.45; 100 lbs., \$4.20; 500 lbs., \$18.00.

Write for prices on large quantities. **Nitrophoska.** A highly concentrated inorganic fertilizer clean and odorless, 15 per cent Nitrogen, 30 per cent phosphoric acid and 15 per cent Potash. 1 lb., 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75. Write for prices on large quantities in original bags.

## Scotch Soot (Genuine Imported).

Gardeners know the value of the genuine article in stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut-worms. Price, 25 lbs., \$1.65; 50 lbs., \$2.90; 100 lbs., \$4.75; 500 lbs., \$21.00.

## VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.10; 100 lbs., \$3.50; 500 lbs., \$15.00; 1000 lbs., \$27.00; 2000 lbs., \$50.00.

## HORN SHAVINGS.

These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries, to supply food after the natural fertility of the soil is exhausted. Price, 25 lbs., \$2.25; 50 lbs., \$3.75; 100 lbs., \$6.50; 500 lbs., \$30.00.

## HUMUS.

Recommended for top dressing or use on heavy clay soils. Price, 100-lb. bags, \$2.50. Ask us for prices on larger quantities.

## PURE RAW BONE, Coarse Ground.

Excellent material for house benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Price, 100 lbs., \$4.50; 500 lbs., \$20.00; 1000 lbs., \$35.00; 2000 lbs., \$65.00.

## Granulated Peat Moss.

A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Bale of about 20 bushels, \$3.25. Garden size bale, \$1.35.

## Vigoro.

Is a specially prepared plant food. It contains all the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. Complete directions in every bag. Price, 5 lbs., 50c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

## Floranid Urea.

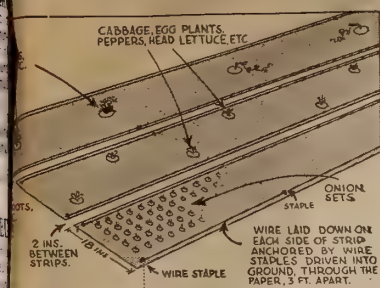
A highly concentrated inorganic fertilizer containing 46 per cent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, 1 lb. can, 25c; 5 lbs., 90c; 10 lbs., \$1.50; 25 lbs., \$2.75, in original bags. Write for prices on large quantities in original bags.





# Lovely Garden Tools, Supplies

## MULCH PAPER FOR YOUR GARDEN



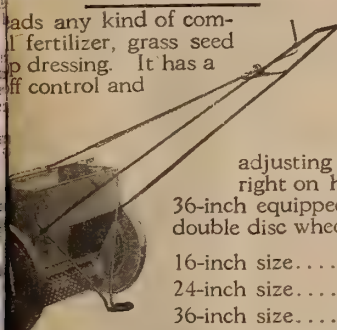
state and federal experiment stations proved the value under American conditions of the paper mulch method which was first used by Charles F. Eckart on Hawaiian plantations. For the home gardener the paper mulch is invaluable. Laid down between plants, it (1) makes cultivation unnecessary; (2) increases moisture in soil and does away with irrigation; (3) increases yield of crops.

For Hide mulch paper, impregnated with kerosene. Type A, 300 lineal yards, 18-in. wide, approximately 30 lbs., \$3.00 per roll. 36-in. wide, approximately 60 lbs., \$6.00 per roll. Type B, extra heavy for perennial crops, 150 lineal yards, 18-in. wide, approximately 30 lbs., \$3.00 per roll; 36-in. wide, approximately 60 lbs., \$6.00 per roll. Small garden size roll, 100 ft. Price, 65c; by mail, 85c.

## PLANET JR. PERFECT FERTILIZER

### DISTRIBUTOR

ads any kind of commercial fertilizer, grass seed dressing. It has a perfect control and



adjusting device right on handle. 36-inch equipped with double disc wheels.

16-inch size....\$ 8.75  
24-inch size.... 11.00  
36-inch size.... 16.50

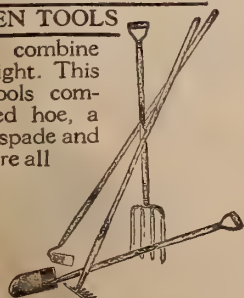
## PLANET JR. MODEL DISTRIBUTOR

for small lawns. Each, \$3.00

## LADIES' AND YOUTHS' SET OF

### GARDEN TOOLS

all constructed; combine strength and light weight. This set of light-weight tools comes in a long handled hoe, a garden rake, garden spade and digging fork. They are all adjustable, well-constructed tools (no toys), handy to use in camp and in the garden. Price, per set, \$3.95.



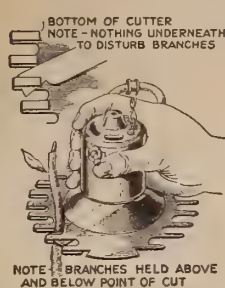
### TROWEL

Vaughan's steel. One solid piece of steel and wears out all others. Each, \$3 for \$2.75; postpaid, \$1.00.



We carry a complete line of Planet Jr. Gardeners, Cultivators and Hoes. Write us for price list and catalog on Planet Jr. Implements, and extra parts, such as Cultivator teeth, Plows, Side Hoes, etc.

## THE O. K. ELECTRIC HEDGE CUTTER



your hedge growth back. The direct hold on the motor allows you to guide the hedge cutter accurately. Price, \$15.00.

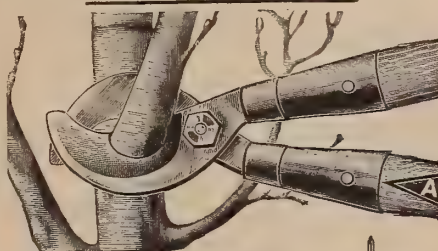
**LITTLE WONDER Hedge Trimmer.** Will trim your hedge five to ten times faster than hand shears. Attachments come with each machine to adapt it to flat, round or pivot tops as well as side cutting; 30-inch, \$25.00; 40-inch, \$27.50; 60-inch, \$35.00.

Side-cutting carriage for trimming sides as illustrated. \$4.50.

### Electric Model

Little Wonder Hedge trimmers. Junior Model, 27-inch, cutting surface. Each, with 15 ft. of wire, \$42.50. Senior Model, 36-inch, with 15 ft. wire, \$95.00. 60-inch with 15 ft. of wire, \$100.00. Extra 100 ft. length best quality rubber covered waterproof wire with handy reel, \$4.50. Write for leaflet.

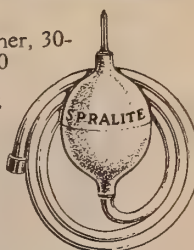
### DOUBLE CUT PRUNER



Double Cut Brush Pruner, 30-inch. Each, \$3.00

### SPRALITE SPRINKLER

A splendid sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, 75c; by mail, 85c.



### GARDEN SET, TRUE TEMPER



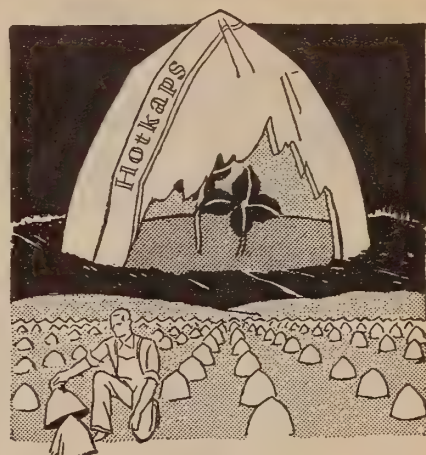
hand weeder, hand spading fork and baby Warren hoe, \$2.75.

It can not be over-loaded, branches are held while cut, it will cut any shape or kind, it will cut as fast as it can be moved. You can also trim grass edge and bushes. It will pass over cut tips without stubbing. You can bevel the edge, cut round tops and corners. You can cut to exactly where you made the last cutting, to hold

the motor allows you to guide the hedge cutter accurately. Price, \$15.00.



Illustration shows trimming with side-cutting carriage.



## HOTKAPS

### New Method of Plant Protection

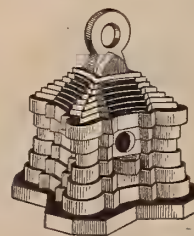
Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around it, Hotkaps become individual miniature hot-houses.

**Hotkap Setter.** Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

Prices: 1,000 lots, \$9.75; 5,000 lots, \$9.60 per M; 10,000 lots, \$9.50 per M; 250 Trial Package including Garden Setter with Tamper, \$3.50; 100 Home Package, including Garden Setter with Tamper, \$2.25; Germaco Hotkap Steel Setter with Tamper, \$2.25; postage extra. Wt.: 1,000 package HOTKAPS, 28 lbs.; 250 package, 8½ lbs.; 100 package, 4¼ lbs.; Steel Hotkap Setter, 3 lbs.

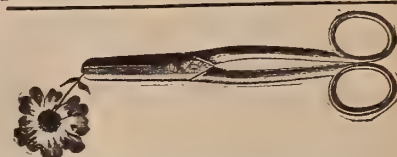
### WOOD WREN HOUSE

Maintains even temperature. Hole just the right size, is much liked by this great songster. A real decoration to your garden, made of solid white pine lumber, (no veneer) approximate weight 8 lbs. Price, \$1.25; three for \$3.50. Write us for leaflets



on Bird houses, Sparrow traps and Bird baths.

### FLOWER GATHERING SCISSORS



Henckels' twin brand, imported, cuts and holds the flowers. Made of stainless steel, finest quality. Price, \$2.25; if by mail, add 15c for postage.

### No. 25 LADIES' PRUNING SHEARS



Nickel-plated of best steel, 6 inches long. A tool every lady gardener should have; will cut flowers, branches, and dead limbs with greatest ease. Will last a lifetime. Each, \$1.50; postpaid, \$1.60.



## LAWN MOWERS

## LAWN ROLLERS

## LAWN TRIMMERS



## Philadelphia Lawn Mowers

## FOR HALF A CENTURY THE STANDARD OF QUALITY

We list the two highest grade machines universally used by cemeteries and parks.

**Style A.** High wheel, all steel, very easy to run and light in weight. Ten-inch driving wheels. Long, large bearings, four blades, double ratchet. More of these mowers used by parks and estates than all other makes combined. Three gears on one side. 15 in., \$21.00; 17 in., \$23.00; 19 in., \$26.50; 21 in., \$29.00.

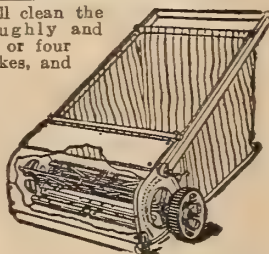
**Style K.** Cylinder with 5 blades. Driving wheel 10 inches. Big bearings, bored with rifle-barrel accuracy. Vanadium crucible steel blades. Very durable. Single pinion gears on both sides. 14 in., \$16.00; 16 in., \$18.00; 18 in., \$20.00; 20 in., \$22.00.

**Perfection Grass Collectors.** Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering.

No. 301 Adjustable to mowers 12 to 16 inches... Each \$1.45  
306 Adjustable to mowers 16 to 20 inches... 1.75

## Gem Lawn Sweeper

This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy swinging hinges which are kept in position by retaining springs. Price, 24-inch wide, each, \$34.00.



## Hedge Shears



BEST QUALITY

Imported. Made of the highest quality steel. These shears can be used both for trimming hedges and cutting grass under fences, bushes, etc. Steel blades Tang extends through handles, riveted, making handles fast. 8-inch with Notch, \$2.85; 9-inch with Notch, \$3.00; 10-inch with Notch, \$3.25.

**Ladies' Improved Hedge Shears.** 8-inch, each, \$1.75.

**Domestic Hedge Shears.** Fine quality, 8-inch with Notch, \$1.75; 9-inch, each, \$1.85.

## Shears

**Border**—Long handle for trimming the edges of borders and walks. 9-inch, \$4.25.

**Grass**—For trimming grass on edges and around flower beds. Each, 50c.  
Write for leaflets and prices on Motor Mowers.

## GRASS HOOKS, SCYTHES

English. Riveted back. Each... 75c  
Domestic. Best quality... 65c

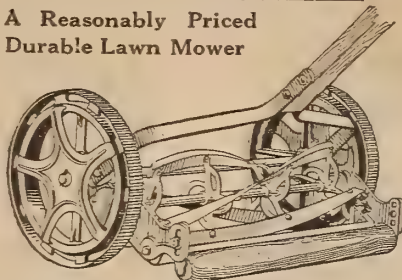
Kelly No. 4. Perfect grass hook. Each, 65c.

English, riveted back, 30-inch, \$2.50;  
36-inch \$2.75. Scythe Snath, each, \$1.85. Scythe Stone. Natural, 15c each.

## We Supply Everything

## Republic Ball-Bearing

A Reasonably Priced  
Durable Lawn Mower



Drive Wheels—10½ inches; open spoke design; revolve on steel bearings.

Reel—5½ inches in diameter; malleable spiders; steel shaft.

Gears—Double; one in each wheel; flat steel pawls. Blades—Four crucible tool steel, hardened and tempered.

Ball-Bearings—Self-adjusting; dust-proof.

Bottom Knife—Tool steel; self-sharpening. This mower is very graceful in outline and one of the easiest running machines on the market. Handsomely finished in aluminum bronze with blue and gold decorations.

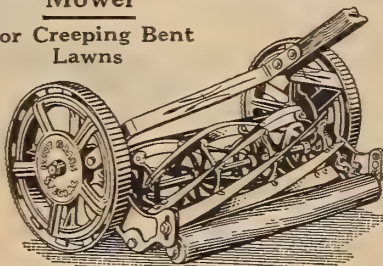
14-inch  
\$7.00

16-inch  
\$8.00

18-inch  
\$8.50

Cricket Special Ball Bearing  
Mower

For Creeping Bent  
Lawns



Self-Adjusting Ball Bearings in revolving cylinder guaranteed for the life of the mower. Drive wheels 10½-inches in diameter, open type. Gear on both sides with reciprocating pawl ratchets. Cutter bar special design raised edge tool steel hardened and tempered in oil. Height of cut, ¾-inch to 1½-inch. Seven blades, high speed tool steel, hardened and tempered, self-sharpening. Sizes: 16-inch, \$14.00; 18-inch, \$16.00.

## Perfection Lawn Edger

This is the greatest invention devised for edging lawns. It is simple and efficient.

Place the stub upon the sidewalk or curb, holding handle well up, with cutter blade down. Use short, firm stroke, forward and back. With each backward stroke the edge is allowed to clear and will prevent clogging. Price, \$1.85.



**Berghman Lawn Mower Sharpener.** A high-grade durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, \$1.00.

No. 2 Planet Jr. Grass Edger. A hardy tool to keep your lawn edges well trimmed. Price, \$1.75.

Genuine Dunham  
Water-Weight  
Lawn Rollers

Water Ballast Lawn Rollers, steel handles, roller bearings, acetylene welded drums with anti-turf-tearing tires, non-rust shut water entrance. The most efficient and easiest running roller made. Weighs 50% more when filled with sand. Water is more convenient.

No.	in.	Length	Sec.	Wt., Filled	Price
WB5.....	18	24	1	85 265	\$14.00
WB7.....	24	24	1	110 420	16.50
WB9.....	24	32	1	130 565	19.00

Dunham rollers with plain bearings slightly lighter than the roller-bearing rollers.

No.	in.	Length	Sec.	Wt., Filled	Price
WB2.....	14	24	1	68 175	\$ 9.75
WB4.....	18	24	1	82 265	11.50

WB1 for miniature golf courses; diam., 14 in.; width, 15 in.; wt. empty, 45 lbs.; filled with water, 115 lbs. Price, \$9.00.

Write us for price and leaflet on Dunham Water-weight Horse and Tractor Rollers.

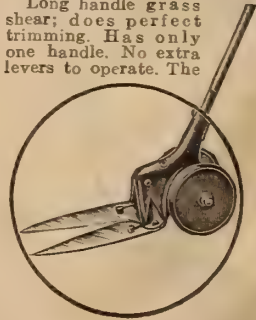
Philadelphia  
Lawn Trimmer

Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. Price, each \$10.50, complete.



## Doo-Klip

Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The



blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, \$2.50.

Vaughan Doo-Klip Grass Shear. Each, \$1.50. By mail, \$1.60.



Doo-Klip



# for the Lawn, Etc.

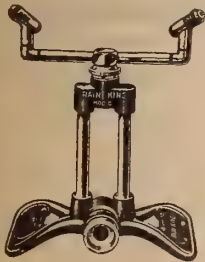
## GARDEN NON-KINKABLE HOSE



Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length fitted with couplings. There is no economy in buying cheap hose. Price,  $\frac{3}{4}$ -inch, per 25 feet, \$3.00; 50 feet, \$5.75; 100 feet, \$11.00.

A good grade garden hose,  $\frac{3}{4}$ -inch, fitted with couplings. 50 feet length, \$4.00.

## MODEL D RAIN KING



The latest Rain King, and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow or for stationary sprinkling. Each, \$1.50.

## STANDARD RAIN KING

Combines all the best features of both stationary and revolving sprinklers. Waters the largest lawns or the smallest corners, strips and odd-shaped places. Sprinkles in two directions at once or concentrates

wherever water is wanted. Weight, 3 lbs. Packed one to a carton. Each, \$2.25.

No. A1. Similar to Majestic. Each, \$3.25.

## RAIN KING, MAJESTIC A

Each, \$5.00.  
GIANT. Each, \$9.50.

## LINCOLN PARK OR BUTTERFLY

Cheapest and best Sprinkler made. Each, 35c. Mounted on stand: 2-foot, 95c; 4-foot, \$1.10; 6-foot, \$1.25.

## THE EVANSTON SPRINKLER

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. Each, 60c; 3 for \$1.75.

## ROTARY AND OSCILLATING SPRINKLER

This sprinkler is adjustable at will from bell-shaped spray to full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money. Each, \$10.00; 3 for \$28.50.

## ROSS PORTABLE SPRINKLER

Ross Portable Sprinkler System. A good substitute for an underground sprinkling system for the

small lawn at a much lower cost. When used between lengths of hose of about 15 ft., three tees will cover about 675 sq. ft. of lawn and four tees will cover about 900 sq. ft. Each set consists of No. 30 adjustable tees and No. 58 square spray heads, with one No. 70 hose cap. Per set of three, \$3.50; weight, 2 lbs.; per set of four, \$4.60, weight, 2  $\frac{1}{2}$  lbs.

## RIP

The master rainmaker sprinkler. Each, \$1.00.

## INSECTICIDE NOZZLES

These are especially designed for use in spraying insecticides. Made to fit  $\frac{1}{4}$ -inch pipe connection. If wanted to fit  $\frac{3}{4}$ -inch hose, order reducer, 45c extra. Bordeaux Nozzle. Each, 85c; by mail, 90c. Vermorel Nozzle. Each, 85c; by mail, 90c.

## AUSTRALIAN SPRINKLER

This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2-foot, 95c; 4-foot, \$1.10; 6-foot, \$1.25; 8-foot, \$1.35.

## CRESCENT SPRINKLER

Price, 60c; by mail, 70c.



## FOUNTAIN SPRINKLER

The mist-like spray that has made the name Fountain known

all over the land. Each, 65c; by mail, 75c.

## PERFECT CLINCHING COUPLER

$\frac{3}{4}$ -inch, per pair, 30c; doz., \$2.75.

## Perfect Clinching Hose Mender

A self-fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose.  $\frac{3}{4}$ -inch, each, 10c; doz. \$1.10.

HOSE CLAMPS. Bull Dog. Each, 5c; doz., 50c. Prepaid.

HOSE STRAPS. Caldwell. Used in fastening coupler on hose. Each, 5c; doz., 35c. Pliers for same, 35c.

## HOSE NOZZLES

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for  $\frac{3}{4}$ -inch hose. Each, 60c; by mail, 65c.

Boston Rose Spray. Brass; for  $\frac{3}{4}$ -inch hose; useful for watering lawn and garden. Each, \$1.35; by mail, \$1.45.

Justrite Hose Nozzle. For lawn and garden, can be changed from fine spray to stream.  $\frac{3}{4}$  inch, each 45c; by mail, 50c.

Ross No. 10 Hand Sprinkler. Preferred by nurserymen and home owners alike. Capacity 7 gallons per minute. Do not compare with cheaper imitations. Each, 95c.

## HOSE REELS, SPRINKLERS, RAKES, EDGERS, ETC.

## THE COOPER HOSE MENDER



Best hose mender. Brass, with sharp barbs on either end, prevent hose slipping off.  $\frac{1}{2}$  or  $\frac{3}{4}$ -inch, each, 10c; doz., 95c; 1-inch, each, 12c; doz., \$1.15; postage, 5c doz., extra.

Iron Mender. For  $\frac{3}{4}$ -inch hose, each, 6c; doz., 65c. HOSE WASHERS.  $\frac{3}{4}$ -inch, per doz., 5c; gross, 50c.

BROOM RAKE. Made of Spring wire. Each, \$1.25.



## HOSE REEL—ALL IRON



Very light, fractionless, wheels being so high are very easily worked; no tipping when winding or unwinding hose.

No. 10 for 100 ft.  $\frac{3}{4}$ -in. hose, \$4.25  
No. 20 for 150 ft. \$5.25  
Donley's, all steel Each, \$3.00.

## TURF EDGER

American.....Each, \$1.25



## SOD LIFTER

Polished steel blade, strap ferrule. D handle with ebonized wood grip. Length of handle, 2  $\frac{3}{4}$  feet. Length over all, 4 feet. Price, each, \$2.25.

## ELECTRIC WORM ERADICATOR

Is more effective than any other material, bringing the worms up and killing them on the surface where they can be taken off. Is safe to use on the finest lawn. Pint, \$1.00; gal., \$4.00; 5 gals., \$16.25; 10 gals., \$30.00.

## "HERBICIDE" THE WEED EXTERMINATOR



For Paths, Cobble Gutters, Drives, Tennis Courts, etc. until the dead leaves wither away. Qt., 70c; gal., \$2.00; 5 gals., \$7.50; 10 gals., \$12.50; 30 gals., \$24.00; 50 gals., \$38.00.

## Reade's NON-POISONOUS Weed Killer

chickweed and does not injure the grass, making it unnecessary to dig out the patches where chickweed appears or re-plant or resod such portions of the lawn or turf. Price, qt., 75c; gal., \$2.00; 5 gals., \$9.00.

## ATLACIDE

Non-poisonous Weed Killer Duster, especially recommended for obtaining weed-free driveways, paths, tennis courts, and gutters. 1 lb., Duster kills 100 sq. ft. of weeds, price, 50c; 3  $\frac{1}{2}$  lb., Duster, kills 350 sq. ft. of weeds, price, \$1.50. 15 lb., drum kills 1,500 sq. ft., price, \$3.50.

Write for prices on larger sizes.

## WEED KILLER KIT

Killer Kemical kills Dandelions, Thistles, Plantain, Buckhorn and other common weeds. Does not sterilize the soil—Is not poisonous or inflammable—Does not stain walks or clothing—Does not corrode or rust metals.

Killer Kane insures easy and economical application—No stooping or back-breaking. Place Kane on crown of dandelion or weed and press handle slightly. A small amount of Kemical is released and does all the work. Children as well as grown-ups can operate effectively.

Killer Kits (Kane and  $\frac{1}{2}$ -gal. Kemical).....\$1.95

Killer Kemical,  $\frac{1}{2}$ -gal. .... 1.10

Special prices for larger quantities of Kemical.



Owing to the fluctuations of the market, prices are subject to change without notice.



## GLAZING MATERIALS

## AND POTS



**MASTICA.** For glazing greenhouses, hotbeds, sash, etc., better than putty, does not crack, always remains soft. Per gallon, \$2.85.

**MASTICA MACHINE.** For applying above. (Weight, 1½ lbs.) Each, \$3.25.

**PUTTY.** Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, \$2.85.

## PUTTY BULB

Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight, ½ lb.) Each, \$1.75.

**PUTTY KNIFE.** Each, 35c.

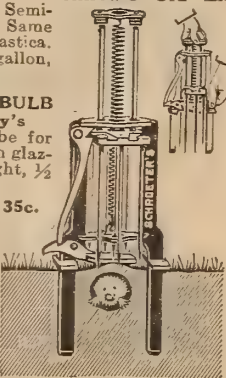
## MOLE TRAP IMPROVED

With patented setting attachment. One of the best mole and gopher traps. Each, \$2.00.

**MOSS. Sphagnum.** Bur-lapped bales. Ea., \$2.00.

**SHEET MOSS. (Green)**

Freshly gathered; for Windows, Boxes, etc. Per sack, \$2.75.



Mole Trap

## POTS (Flower)

F. O. B. Chicago. Write for New York Prices.

**RED CLAY POTS.** We pack these carefully, but not be responsible for breakage.

Doz.	100	1000	Doz.	100	Each
2 in.	\$0.35	\$1.45	6 in.	\$1.25	\$7.75
2½ in.	.40	1.65	7 in.	1.65	11.75
3 in.	.50	2.50	8 in.	2.25	16.25
4 in.	.65	3.00	10 in.		\$0.60
5 in.	.85	5.50	12 in.		.85

**COLORED POTS.** Painted in the following shades: Green and black, orchid and black, red and black, orange and black, and blue and black.

Doz.	100	Each	Doz.	100	Each
4 in.	\$0.95	\$5.50	8 in.	\$4.00	\$27.00
5 in.	1.20	8.00	10 in.	\$0.75	7.80
6 in.	2.00	12.00	12 in.	1.25	12.60
7 in.	2.75	17.50			

**PANS (Azalea)** Each Doz. Each Doz.  
6 in. \$0.15 \$1.25 9 in. \$0.30 \$3.25  
7 in. .20 1.65 10 in. .60  
8 in. .25 2.25 12 in. .85

**PANS (Fern)** Each Doz. Each Doz.  
6 in. \$0.15 \$1.25 8 in. \$0.25 \$2.25  
7 in. .20 1.65 10 in. .60 5.50

**SAUCERS—Red Rubber**  
4-inch. \$0.15 \$1.60 7½-inch. \$0.40 \$4.35  
5-inch. .18 1.85 10-inch. .75 8.40  
6-inch. .25 2.40 12-inch. 1.00 10.80

**SAUCERS Clay.**  
Doz. 100 Doz. 100  
5 in. \$0.60 \$3.75 9 in. \$2.00 \$13.50  
6 in. .85 5.25 10 in. 2.85  
7 in. 1.10 7.50 12 in. 4.20  
8 in. 1.45 9.00

**NEPONSET PAPER POTS.**  
Made of water-proof paper, light, clean and unbreakable.  
Doz. 100 1000  
2½ in. \$0.14 \$0.70 \$4.75  
3 in. .17 .85 5.40  
3½ in. .20 1.10 7.90  
4 in. .25 1.25 8.50  
5 in. .28 1.45 11.50  
6 in. .35 2.15 17.50  
7 in. .40 2.75 22.50

## GARDEN LINE

REEL. (weight, 2 lbs.) Each, \$1.35.

## GARDEN LINE.

Each heavy braided.

Per 96 feet, 95c;

by mail, \$1.00.

## GRAFTING WAX.

—Per ¼ lb. bar, 20c; ½ lb. bar 35c; 1 lb. bar, 60c.

**National Eezy Wear Garden Gloves**

Made of im- po- ted leather processed to make it pliable as kid and wash- able. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium," and "Large." Price, 75c a pair postpaid.

## Vaughan's Garden

## KNIVES



**KNIVES.—Asparagus. Straight Cut.** Each, 45c; by mail, 50c.

**Asparagus. Fishtail.** Each, 50c; by mail, 55c.

**Budding. Aluminum handle.**

Each, \$1.75; by mail, \$1.80.

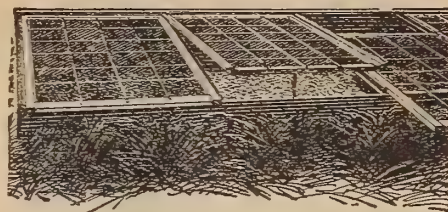
**Budding and Prop.** Two blades; white handle; brass caps. Each \$1.75; by mail, \$1.85.

**Pruning. Stag handle, imported.**

Each, \$2.50; by mail, \$2.55.

**Potato Knife. "The Humphrey."**

Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, 35c; 3 for \$1.00.



## HOTBED SASH

**HOTBED SASH**—Made of the very finest material. Unglazed, are not painted. Glazed, painted one coat. Single strength glass. Add 30c per sash for double strength.

Size, 3x6 ft., holds 3 rows 10-inch glass.

Unglazed, each, \$3.25; 3 for \$9.45; doz., \$36.00.

Glazed, single strength glass, each, \$6.25; 4 for \$24.00; doz., \$69.00.

Size, 33 inch x 6 ft., holds 4 rows 8-inch glass.

Unglazed, each, \$3.95; 3 for \$11.50; doz., \$44.20.

Glazed, each, \$6.95; 4 for \$27.00; doz., \$75.00.

Prices include Crating. F. O. B. Chicago.

Prices subject to change without notice.

We can supply Electric Heaters for hotbeds. Write us for leaflet and price list.

**PECKY CYPRESS FLATS.** Made of selected Pecky cypress, with ¾-inch ends, and the balance of 1 inch resawed lumber. Doz. 100

K. D. 12x18x3 inches.....\$3.75 \$26.00

K. D. 12x24x3 inches.....4.00 28.00

K. D. 16x4x3 inches.....4.50 30.00

## CEL-O-GLASS



Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and many other purposes, at a great saving. Unbreakable and very light in weight. No glazing Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard \$1.50; 25 ft. roll 3 ft. wide, \$9.75.

**RED DEVIL GLASS CUTTER.** Each, 25c.

**GLASS CUTTER DIAMOND.** Each, \$5.50.

**GLAZING POINTS.**—Vaughan's Perfection.

No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., 70c; by mail, 80c.

**Siebert's Improved.**—Easy to drive, and will not wedge or crack glass, 2 sizes, ¾ and ½-inch long.

Price per lb., 70c; by mail, 80c.

## HOTBED MATS AND PLANT

## BED CLOTH

**Milo Waterproof Hotbed Mats.** A combination of heavyweight burkap felt and absorbent pulp, cemented together with a specially prepared waterproof compound absolutely impervious to rain, sleet and snow; proof against frost; repellant to rats and mice. Easy to handle, wears for years.

Size, 40x78 inches. Each, \$2.50; doz., \$22.50.

Size, 78x80 inches. Each, \$4.50; doz., \$46.00.

**IMPORTED REED HOTBED MATS.** Superior to straw mats; very durable. Size, 76x76 inches. Each, \$2.85; three for \$8.00; doz., \$30.00.

**PLANT BED CLOTH.** For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., 23c; heavy, 32c; 60 to 100 yds., medium, per yd., 21c; heavy, 30c; not less than 20 yds. of a kind sold.

**GLASS CLOTH.** A strong fabric treated by a patented process to make it transparent, weather-proof and waterproof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., 35c.

**Lumber Glass.** Medium weight, per yd., 30c.

**HOE. English Scuffle or Push.** 6-inch, \$1.25; 8-in., \$1.45. Without handle.

**VAUGHAN'S BULB PLANTER.** A new handy tool, made of wood. Each, 75c.

**CORBORUNDUM BRAND.** Home and garden sharpening stone. For sharpening knives, shears, edgers, etc. 10¼ inches long over all. Fitted with a durable wood handle finished in red. Each, 60c; by mail, 70c.

## LABELS.—Zinc, Tree.

Wired ¾ inches long, ¾-inch wide. Price per doz., 25c; 100, \$1.75

**Simplex. Shrubbery.** Doz., 50c; 100, \$3.25.

**Wooden.** For pots, painted.

100 1000 100 1000

4-in. ....\$0.45 \$2.10 6-in. ....\$0.55 \$3.25

5-in. .... .50 2.75 12-in. .... 1.45 12.50

**Tree, Copper Wired.** ¾ in. 100, 55c; 1000, \$3.10.

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# Tools and Requisites

**KEYSTONE.** For plants, ferns and flowers. With angle neck and household uses. Each, 95c, postpaid.

**SPRINKLERS, Scollay's Rubber.**

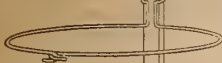


Best sprinkler for plants, ferns and flowers, holds 10 fluid oz. Large, \$1.60. By mail, \$1.65.

## ADJUSTABLE PLANT SUPPORTS

Wireslides to any desired position, made in 2 heights.

No. 42—36 in. stake. Each, 30c; doz., \$2.25  
No. 43—48 in. stake. Each, 35c; doz., \$2.75



**TOMATO OR PEONY SUPPORTS.** Made of heavy galvanized wire.

F. O. B. New York  
Ea., 35c; doz., \$3.00  
F. O. B. Chicago.  
Ea., 40c; doz., \$3.25

## TIME SAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized, Java end is green. Can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports. Per doz. Per 100  
30-inch.. \$0.95 \$7.25  
36-inch.. 1.15 9.00  
48-inch.. 2.20 16.50  
60-inch.. 2.75 21.00

## MODEL EXTENSION CARNATION SUPPORTS

Bases or bottom circle made of No. 12 galvanized wire, top circle of No. 13 galvanized wire; diameter of top circle 6 1/4 inches, bottom circle 7 1/2 inches; total height of support extended, 24 inches; shipping weight, two-ring supports, approximately 360 pounds per thousand; three-ring supports, approximately 410 pounds per thousand. Price, 2-ring supports, \$7.00 per 100; \$67.50 per 1000; 3-ring supports, \$8.00 per 100; \$77.50 per 1000. Write for price in large quantities.

Plant Support

## SPADES—Special D or long handle. Each....\$1.75

**SIEVES**  
For sifting soil. 18 inches in diameter, all sizes mesh from 1/8 to 1/2 inch. Each, \$3.00.



**STAKES, WOODEN. Painted green.**

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft.....	\$1.65	\$10.50
4 ft.....	2.20	13.50
5 ft.....	2.60	17.50

Light Grade (for smaller plants)	Per doz.	Per 100
1 1/2 ft....\$0.40	\$2.10	3 1/2 ft....\$1.30
2 ft......60	3.50	4 ft.....1.60
2 1/2 ft....85	4.60	5 ft.....2.00
3 ft.....1.10	6.75	

**STAKES—Cane. 6 to 8 feet long.....\$2.00 \$9.75**

**STAKES—Cane. 9 to 11 feet long.....2.50 17.50**

Prices on cane Stakes f. o. b. Chicago.

Prices at New York 10 per cent. higher.

**STAKES—JAPANESE BAMBOO Green Painted.**

100	1000	100	1000
1 1/2 ft....\$0.85	\$4.00	3 ft.....\$1.40	\$7.50
2 ft.....1.00	5.00	3 1/2 ft.....1.50	8.50
2 1/2 ft....1.20	6.00	4 ft.....1.65	10.00

**Japanese Bamboo, not painted, 6 ft. 2.00 14.00**

**STAKES—HEAVY TONKIN Natural Color.**

Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. f. o. b. N. Y. f. o. b. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft.....	1/2 to 3/4 inch	\$0.60	\$2.50	\$0.70	\$3.00
4 ft.....	3/4 inch	.80	3.25	.85	4.00
5 ft.....	1/2 to 3/4 inch	1.00	4.00	1.10	5.00
6 ft.....	1/2 to 3/4 inch	1.20	4.50	1.35	5.75
8 ft.....	1/2 to 3/4 inch	1.30	5.25	1.45	6.50

**STAKES—Galvanized Wire.**

No. 9 Wire	Doz.	100	No. 8 Wire	Doz.	100
1 1/2 ft....\$0.25	\$0.95	3 1/2 ft....\$0.45	\$2.00		
2 ft......30	1.20	4 ft......55	2.25		
2 1/2 ft....35	1.45	5 ft......65	2.75		
3 ft......40	1.65	6 ft......75	3.25		

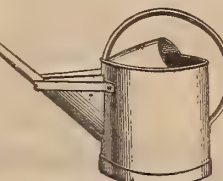
Prices wire stakes subject to change without notice.

## Watering

### Pots

**American. Heavy** galvanized round can, two copper-faced roses, long spout; 4-quart, \$4.85; 6-quart, \$5.35; 8-quart, \$6.00; 10-quart, \$6.35; 12-quart, \$6.75.

**French Style. Oval,** otherwise same make as above, 6-quart, \$5.95; 8-quart, \$6.35; 10-quart, \$6.75; 12-quart, \$7.35.



Spout is cut off in illustration to reduce space.



## Hole in One Planting Tools

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, 50c., postpaid, 65c. Large tool, \$3.00.

## SYRINGES—Brass.



Each  
No. 0. Length 12 1/2 in.; 15-16 in. in diam. \$2.95  
No. D. 15 1/2 in. long, 1 1/2 in. in diam. 4.50  
No. 5. Best for general Greenhouse use. 7.50  
No. 11. 18 in. long, 1 stream, 2 sprays. 6.50



## TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York. If handles are required add 35c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

No.	Each	Four	No.	Each	Four
1.. 6x6	\$0.70	\$2.60	9.. 14x13	\$1.80	\$6.80
3.. 8x8	.75	2.80	11.. 16x15	2.20	8.40
5.. 10x9	.95	3.60	13.. 18x17	3.00	11.60
7.. 12x11	1.40	5.40	14.. 19x18	3.65	14.00



## Standard



## Hot Bed

**THERMOMETERS. Tin Case. 8-in. 50c.**  
**Cabinet. Wood case, 75c; 3 for \$2.00.**  
**Hotbed. Brass point, wooden frame, \$2.75.**  
**Self-Registering.** With magnet to set it, 8-inch, each \$6.50; registers highest and lowest temperature.  
**Minimum.** For registering cold, \$2.50.  
**Tin Case. Standard grade, tested. 8-inch, each, \$1.75.**

White porcelain enameled with red spirit tube easy to read. Each, 60c.  
**Thermometers shipped by parcel post at purchaser's risk only.**

**VASE. Cemetery. — Earthen, green, 10-inch sharp point, each, 50c, three for \$1.35, shipped by parcel post at purchaser's risk only.**

## ORNAMENTAL LAWN FANS

Most popular, and inexpensive. Are most substantially built and painted with good white paint.

No. 106—Height 69 in. Spread 45 in. Prices each, 95c.

No. 108—Height 94 in. Spread 60 in. Price each, \$1.30.

(No. 106 may be shipped parcel post).



## FOLDING TRELLIS OR FENCE ITEMS

These three numbers are suitable for mounting on porches. They are also used extensively for fence—and may be extended to produce a fence any height

from 10 in. to 60 in. Are securely fastened at every intersection and are painted white with a high grade linseed oil paint. Popular for parkings and flower beds.

No. 1—Ht., folded 34 in. Extends to 8 ft. Ea., \$1.10  
No. 2—Ht., folded 46 in. Extends to 12 ft. Ea., 1.50  
No. 3—Ht., folded 70 in. Extends to 16 ft. Ea., 2.25

## CAHOON SEEDER

It will seed evenly five to six acres per hour. It will scatter the following distances: Wheat, Barley, Rye, 25 feet; Clover and Timothy, 18 to 20 feet. The bag and hopper hold about 22 quarts. Weight, 5 1/2 lbs.

Price, \$4.50.



## MASTERS RAPID PLANT SETTERS

For transplanting all kinds of plants—Cabbage, Tomato, Cauliflower, Peppers, Asters, Chrysanthemums and similar plants. Each plant is set, watered and covered in one operation without stooping and without lame backs. This setter is a labor saver and does perfect work. Fully guaranteed. Price, \$5.50 each.



## SEED SOWER

**Cyclone. (New Improved Model.)** An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$2.25.



## Sowrite Seeds Sower Model B

### SOWS SEEDS AT A TOUCH

**SOWRITE Model 1923.** Made of copper, nickel plated, for all seeds up to size of sweet peas; scatters seed individually; prevents crowding and choking of seedlings; eliminates guess work because you can see each seed drop no matter how fine; saves time because you can sow seeds twice as fast. Price, 60c, postpaid.



## Midget Seeder With Handle

the most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the coverer swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a 4 1/2-foot handle. Full directions attached to every Seeder.

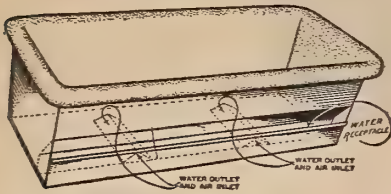


Price, \$4.25



# Miscellaneous Horticultural Supplies

## "SUCCESS" SELF-WATERING FLOWER BOXES



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i. e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

### Outside dimensions of Window Boxes:

Length	Width	Depth	Price
24-in.	8½-in.	6¼-in.	\$1.65
30-in.	8½-in.	6¼-in.	1.80
36-in.	8½-in.	6¼-in.	2.50
42-in.	8½-in.	6¼-in.	2.95

## "SUCCESS" PORCH BOXES (Model D)

Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green. 8-in. deep, 11-in. wide. 8-in. deep, 12-in. wide. No. Length Price No. Length Price  
23.....42-in.....\$5.35 25.....60-in.....\$7.00  
24.....48-in.....5.95

We supply all plants for Window and Porch Boxes. Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, 40c; bushel, \$1.25; barrel, \$3.00.

Let us advise you in your selection of plants.

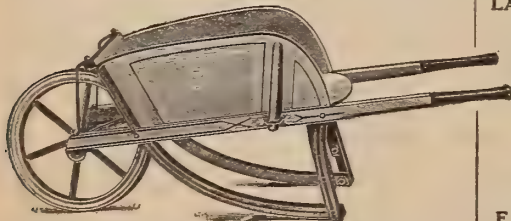
We can please you and save you money.

## "SAVO" SELF-WATERING FLOWER BOXES



Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum, green, pink, ivory, etc.

Model	Height	Width	Length	Price
Model A	8 inches	8 inches	23 inches	\$3.00
Model B	8 inches	9½ inches	29 inches	3.50
Model C	8 inches	9½ inches	35 inches	4.00
Model D	8 inches	9½ inches	41 inches	4.50
Model E	8 inches	12 inches	12 inches	2.50
Model F	12 inches	12 inches	12 inches	3.00



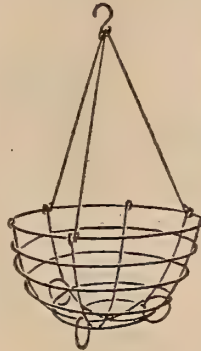
**WHEELBARROW—Globe Garden.** The best in design, material and workmanship for the class of trade who desire the best. 24-inch tire which permits easy wheeling of heavy loads. Price, \$6 95.

## The Little Wonder No-Drip Hanging Basket

A self-watering basket which gives the plants plenty of air and perfect drainage, thus promoting the greatest possible growth. The patented irrigator and no-drip feature of this basket make it an ideal basket for either porch or inside use.

Each

Price, 5-inch	.....\$1.15
6-inch	.....1.35
7-inch	.....1.75
9-inch	.....2.25
14-inch	.....3.00



**BASKETS—Wire, Hanging.** Each, 6-in., 20c; 8-in., 25c; 10-in., 30c; 12-in., 35c. 14-in., 45c; 16-in., 65c.

**BOXES—Cut Flower.**—Vaughan's "Green." Grade green lined, moisture-proof board. Very popular. On orders for less than 100 boxes of a size add 10%.

Size inches	Weight per 100	Per 100	Size inches	Weight per 100	Per 100
3 x 21x5	45 lb.	\$ 6.00	3½ x 30x5	75 lb.	\$ 8.50
3½ x 24x5	60 lb.	7.00	4 x 24x8	85 lb.	9.75
3½ x 21x7	65 lb.	8.00	5 x 28x8	105 lb.	11.50
5 x 42x8	170 lb.	20.00	5 x 36x8	135 lb.	15.50



Dandelion Digger



Eureka Weeder

**Lang's Weeder** **Excelsior Weeder**  
**DANDELION DIGGER.** Each, 45c; postpaid, 55c.  
**Eureka.** Best hand weeder for loosening soil around plants. Short handled, 55c; long handled, 65c. (Mailing weight, 8 oz.)

**Excelsior.** Each, 15c. (Mailing wt., 4 oz.)  
**Lang's.** We find this by actual trial a real labor-saver. Each, 25c. (Mailing weight, 4 oz.)  
**Norcross Weeder.** Each, 50c. Mailing, 10c extra.



Wonder Weeder

**The Wonder Weeder.** For Dandelion, Plantain, etc., in lawns. It gets the weeds, fast, clean and deep. It absolutely will not break up the sod. Just two simple movements and your weed is out. No backache, soiled hands or clothing. Each, 75c. If by mail, add 25c.

**TROWELS, VAUGHAN'S.** Each, 95c. 3 for \$2.75. Postpaid, each, \$1.00.

**Ordinary Garden.** 6-inch, each, 15c; prepaid, 20c.  
**English Steel.** 6-inch, each, 25c; prepaid, 35c.

**LADIES' TRUE TEMPER**

**TROWEL.** Each, 75c; By mail, 85c.



**FORK AND TROWEL.** Imported English Maple. Made of the best quality steel, well-constructed tools, handy for use in camp and home-gardens; none better, short handle, per set, \$1.35; long handle, per set, \$1.75.

## TOOLS FOR PRUNING

**SAWS, DOUBLE EDGED PRUNING.**

16-inch, \$1.60; 18-inch, \$1.75; 20-inch, \$1.90.



**CALIFORNIA POLE TRIMMER.** Curved, draw-cut saw with hook for removing branches. Each, \$2.35.



**FORESTER PRUNING SAW.** Makes heavy pruning easy and saves time. 26 inches long. Each, \$1.95.



**PRUNING.** 6-inch, nickel-plated, \$1.45; 9-inch, \$1.65. Extra springs, each, 15c.



**PRUNING.** Best grade, with double brass springs. Each, \$1.85.

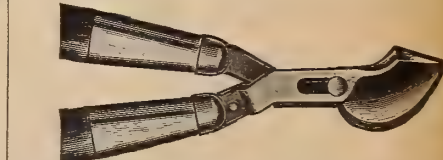
**LEVIN'S PRUNING.** One of the best pruning shears made. Each, 85c.

**HENCKELS' TWIN BRAND IMPORTED PRUNING SHEARS** are known the world over as the best. Have given satisfaction to users for years. With ratchet, 7½-inch, each, \$2.75; 8½-inch, each, \$3.25; 9½-inch, each, \$3.75.

**HENCKELS' IMPROVED CALIFORNIA Pattern** with brass springs, 8½-inch. Each, \$3.50.



**"SNAP-CUT" PRUNER.** Out cuts all others. Rugged, powerful, durable and rustproof. Each, \$1.50; postpaid, \$1.65.



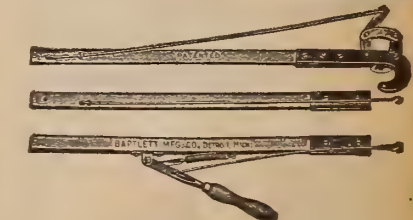
**CLYDE DRAW-CUT PRUNER.** Extra strong, 24-inch handles reinforced with steel straps, \$3.50.



BUCKEYE

**BUCKEYE PRUNING.** Long handle. Each, \$1.85; large size, heavier, \$2.25.

**TREE PRUNERS.** Waters'. Length of pole, 6 ft., \$1.75; 8 ft., \$2.00; 10 ft., \$2.15; 12 ft., \$2.35. Extra knives, each, 25c.



**No. 4, JOINTED Tree Pruner.** The cutting head is made truss-shape from strong high grade rolled steel. The pole is made of 4-ft. lengths, making a tool convenient to carry on street car or automobile, and can be used as an 8-ft. or 12-ft. pruner. Price, complete, \$5.75.



Explanation of Table Below. Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

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## How to Order

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

**Early Orders** Kindly send in your order as soon as convenient after receiving catalogue. Our rush season comes in the months of March and April. Orders received earliest secure the promptest shipment and from our complete stocks.

**Order Sheets** Use the order sheets accompanying this catalogue. One for **Seeds, Bulbs and Garden Sundries**, the other for **Trees, Plants and other Nursery Stock**. Please fill in all particulars carefully and distinctly with your **Zone Number** and keep a copy of your order.

**Seed and Bulb Orders** should have the quantity required written distinctly in the column provided for same with prices. Flower Seeds may be ordered by name, or by the marginal number.

**Plant and Tree Orders** should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the price for same carried out. No plants, trees or shrubs sent C. O. D.

**C. O. D. Orders.** Owing to the extra cost of collecting we will not fill any C. O. D. mail order for less than \$5.00. We do not prepay any C. O. D. orders and will not ship plants, trees, shrubs or other perishable goods C. O. D.

**Mistakes** These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

**Order Trees, Shrubs and Hardy Vines**, if possible, before end of March—it gives us more time for selecting, packing and shipping when the planting season opens up. Early orders receive first attention.

**All Trees Shrubs and Hardy Plants** are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

**Parcel Post** **Fourth Class Mail Matter**, which includes seeds, plants, bulbs, roots, books, tools, insecticides (that are non-poisonous), odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc., where we give mailable weights throughout the catalogue.

**PLEASE MARK ZONE NUMBER** in the space provided for same on the top right-hand corner of all orders which you send to us.

**Express Shipments** General orders for garden seeds, where **peas, beans and corn** form a large proportion, are best sent this way. Orders over **FIVE POUNDS (5 lbs.)** weight going to **5th Zone and beyond**, will travel cheaper by express than by parcel post.

**Send Remittance** by New York or Chicago draft, registered letters or postoffice or express money orders. **Do not send loose currency or stamps in letter, unless registered.** Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. Make money orders payable to "Vaughan's Seed Store." (Mark your Zone Number on order.)

## Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepays FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible at buyer's expense.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

## Free Delivery

All flower seeds prepaid. All vegetable seeds up to 2 lbs. prepaid. Over 2 lbs., by express or freight at buyer's expense.

All bulbs, and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense.

All orders amounting to \$1.00 or over (except from Cut Flower Dept., \$2.00) delivered free in Chicago including Evanston, Wilmette, Edison Park, Park Ridge, Oak Park, Forest Park, River Forest, Riverside, Maywood and Berwyn.

All Water Lilies by mail or express at buyer's expense.

All Roses shipped F. O. B. Western Springs, Ill.

All Trees and Shrubs, F. O. B. Western Springs, Ill.

All plants, perennial and annual, including Cannas, by express at buyer's expense, F. O. B. Western Springs, Ill.

All plant collections shipped by express at buyer's expense, F. O. B. Western Springs, Ill., except where it is specifically stated otherwise in the collection offered.

All tools and supplies, including insecticides and fertilizers (except as specified on page 100), are F. O. B. Chicago or New York and shipped at buyer's expense.

On all orders of Lawn Grass Seeds amounting to \$2.00 or over we prepay transportation within 300 miles of Chicago or New York.

These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Daily filling of seed orders is the Vaughan Rule.

## On Ordering Early

Satisfaction is complete only when we see our garden reproduce in fact a picture we have dreamed. As you read this catalogue such a picture will come into your mind. The first step toward realizing it, is to order at once the seed from which your vision is to grow. Early orders insure you exactly the seeds you want, and that you will have them when time comes to plant. Delay nearly always results in some disappointments and plans gone wrong. See our premium for early orders printed on the order blank in this catalogue.

## Gardeners Supplied

We usually have on our books, names of dependable, experienced gardeners, and are very careful to recommend none but those with good records. No charge is made for this to either party.

**Our Terms** Customers not having an account are requested to send cash with order or furnish reference. We prefer not to send C. O. D., but if wanted by that method, customers should enclose one-fourth of the amount in remittance with order. No trees, plants or other perishable stock and no order less than \$5.00 are sent C. O. D.

## Our Responsibility

It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hand, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses,

disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if we are immediately advised in case of any failure.

We wish it understood that all our stocks are sold under the following conditions

**We Do Not Warrant** in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

DOMESTIC PARCEL POST RATES		First pound or fraction	Each additional pound or fraction
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.			
Local—Chicago or New York City .....		7c.	1c (2lbs)
First and Second Zone within 150 miles of either .....		8c.	1c
Third Zone within 150 to 300 miles .....		9c.	2.9c.
Fourth Zone within 300 to 600 miles .....		10c.	3.5c.
Fifth Zone within 600 to 1000 miles .....		11c.	5.3c.
Sixth Zone within 1000 to 1400 miles .....		12c.	7c.
Seventh Zone within 1400 to 1800 miles .....		14c.	9c.
Eighth Zone all over 1800 miles .....		15c.	11c.
Canada .....		14c.	14c.

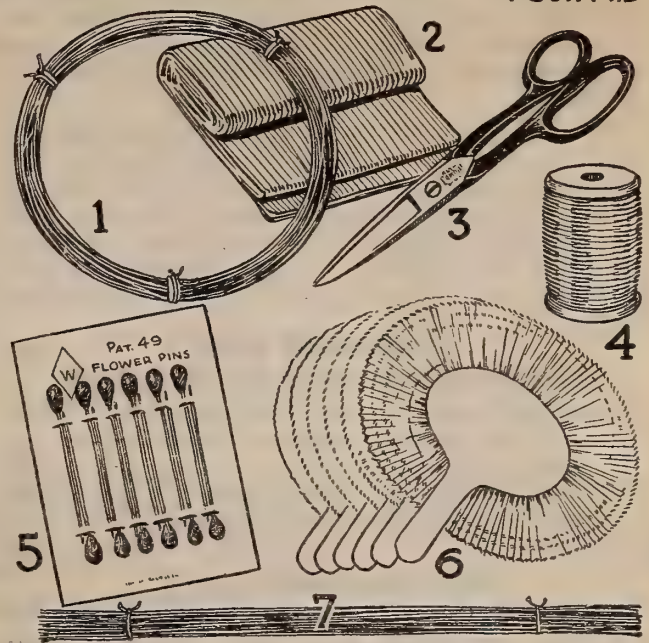
NOTE.—A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage. (Mark your Zone Number on order.)



# Handy Kit for Bouquet Makers \$2<sup>95</sup>

POSTPAID

EVERYONE who grows flowers has need of the tools and materials included in this kit to use in arranging bouquets. Florist's wire is invaluable for strengthening weak flower stems, making them bend in the direction you desire, and for many other uses. Strong florist's thread, dyed green, is exactly right for binding flowers together. Green tinfoil gives a bouquet a professional finish; corsage pins enable you to equip bouquets for personal wear and corsage shields of assorted colors permit you to match the color of the recipient's dress. The strong florist's shears are the ideal tool for cutting flowers, trimming stems, and cutting wire. With this kit you can prepare any type of flower arrangement. We offer it because there is widespread need for these materials among amateur flower growers, they are difficult to buy at retail stores and they would cost if bought singly many times the amount asked for the kit. All the items included are illustrated.



- 1—½ lb. No. 26 Florist Wire.  
 2—1 lb. Green Tinfoil.  
 3—1 Pair Florist Shears.  
 4—1 Spool Florist Thread.  
 5—12 Corsage Pins.  
 6—Six Corsage Shields, assorted colors.  
 7—½ lb. No. 20 Florist Wire, cut 18 ins.



## Lawn Making Bargain \$4.95

Including Seed, Plant Food and Spreader for Applying Both

This combination offer includes seed and plant food sufficient to cover 1,500 square feet of new lawn, or twice that area of established lawn in need of renewal and repair.

The Vaughan seed and plant food spreader is a light weight but well built and efficient appliance for spreading evenly over the lawn area, either plant food or lawn seed. The use of this spreader insures that both seed and plant food are so distributed that no spots are neglected and none are over supplied, as is so often the case with broadcast application. Five pounds of Vaughan's Chicago Parks Lawn seed, and 25 pounds of Vaughan's Lawn and Garden plant food, are packed with the spreader. The combination price of \$4.95 affords a substantial saving over the cost of these items separately. The collection will be shipped by express at buyer's expense.

## Basket-Making Materials

On all following Basketry materials, add postage to your order if to go by parcel post.

### Raffia Fibre for Baskets, Etc.

The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors, dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

	Bunch	Lb. 5 lb. Lots, per lb.
Natural, Best Grade, about 2 oz.	\$0.15	\$0.40 \$0.35
Colored, about 1 oz.	.15	.80 .75
Needles, for Raffia work, per package.		.15

### Basket Books

Basket Making. Morse. Paper, 70 pages, illustrated. For beginners.....\$0.50  
 How to Make Baskets is the title of a very instructive work. By Mary White.  
 Bound in cloth, 194 pages. Illustrated.....1.75  
 Practical Basketry. Gill. 167 pages. Illustrated.....1.50

### Basket Bottoms

Veneered Basket Bottoms for Reed weaving. Made exceptionally well of 3 and 5-ply panels. Well sanded and holes properly bored to fit uprights.

	Each	Doz.		Each	Doz.
3-inch Round.....	\$0.06	\$0.65	8x14-inch Oval.....	\$0.32	\$3.70
4-inch Round.....	.08	.90	10x16-inch Oval.....	.38	4.40
5-inch Round.....	.10	1.10	12x20-inch Oval.....	.60	6.95
6-inch Round.....	.12	1.35	3-inch Square.....	.06	.65
8-inch Round.....	.17	1.95	5-inch Square.....	.10	1.10
10-inch Round.....	.25	2.85	6-inch Square.....	.12	1.35
12-inch Round.....	.30	3.40	8-inch Square.....	.17	1.95
3x6-inch Oval.....	.12	1.35	10-inch Square.....	.25	2.85
4x8-inch Oval.....	.18	2.05	12-inch Square.....	.30	3.40
6x10-inch Oval.....	.25	2.85			

### Reeds

Reed is found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

All below numbers, per bunch, 15c.

	5-lb. Lots ½-lb.	5-lb. Lots Lb. Per Lb.		5-lb. Lots ½-lb.	5-lb. Lots Lb. Per Lb.
No. 1.....	\$0.63	\$1.20	\$1.15	No. 6.....	\$0.48 \$0.90 \$0.85
No. 2.....	.58	1.10	1.05	No. 7.....	.45 .85 .80
No. 3.....	.53	1.00	.95	Flat Reed, ¾-inch	.45 .85 .80
No. 4.....	.50	.95	.90	Split Reed, No. 6	.45 .85 .80
No. 5.....	.48	.90	.85		



# Garden Aristocrats at Prices Never Equaled

RECOMMENDED BY R. B. BECKER, MANAGER OF VAUGHAN'S NURSERIES

IS THERE a garden lover who has not read with envy descriptions of wonderful new shrubs, or flowering trees, and longed for the day when they should adorn his garden?

Here are offers which make it possible for this dream to come true. Prices have been so reduced that the finest improved varieties may be purchased for what ordinary kinds would have cost a short time ago. Shrubs like these do not belong in the border for mass effects. They should be planted as accents, with a setting, where in their flowering season they will become the center of garden interest.

## FLOWERING TREES

Each

The following 4 trees (value \$11.75) for \$8.90

- 1 Japanese Flowering Cherry Kwanzan, 4-5 ft. . . . \$2.25
- 1 Paul's Double Scarlet Hawthorn (*Crataegus Oxyacantha Splendens*) 4-5 ft. . . . . 2.00
- 1 Redvein Crab (*Malus Niedzwetzkyana*) 4-5 ft. . . . 1.50
- 1 Saucer Magnolia (*Magnolia Soulangeana*) 2-3 ft. B. & B. . . . . 6.00

## FRENCH HYBRID LILACS

The following 4 lilacs (value \$7.00) for \$3.25

- 1 Berryer—semi-double mauve, 3-4 ft. . . . . 1.75
- 1 Edouard Andre—double rose, 2-3 ft. . . . . 1.25
- 1 Jean Mace—double blue, 3-4 ft. . . . . 1.75
- 1 Louvois—single, violet-purple, 4-5 ft. . . . . 2.25

## FLOWERING SHRUBS

Each

The following 6 shrubs (value \$6.10) for \$4.40

- 1 Beautybush (*Kolkwitzia Amabilis*) 3-4 ft. . . . . \$1.00
- 1 Chinese Azalea (*Azalea Mollis*) 15-18 in. . . . . 2.00
- 1 Double Mock Orange (*Philadelphus Virginal*) 3-4 ft. . . . . .60
- 1 New Hardy Butterfly Bush (*Buddleia Alternifolia*) 2 yr. . . . . .75
- 1 Rose F. J. Grootendorst, 2 yr. . . . . .75
- 1 Winter-Blooming Witch-Hazel (*Hamamelis Vernalis*) 2-3 ft. . . . . 1.00

## EVERGREEN SHRUBS

The following 5 plants (value \$5.60) for \$4.00

- 1 Bigleaf Wintercreeper (*Euonymus Radicans Vegetus*) 2 yr. . . . . .60
- 1 Firethorn (*Pyracantha Coccinea Lalandi*) 18-24 in., B. & B. . . . . 2.00
- 1 Oregon Hollygrape (*Mahonia Aquifolia*) 15-18 in., B. & B. . . . . 1.00
- 1 Rock Cotoneaster (*Cotoneaster Horizontalis*) 15-18 in., B. & B. . . . . 1.00
- 1 Rose Daphne (*Daphne Cneorum*) 8-10 in., B. & B. 1.00

# Ten New Perennials I Can Recommend

—E. W. KOHLENBERG, SUPERINTENDENT, VAUGHAN'S GREENHOUSES

We asked Mr. Kohlenberg, who grows hundreds of varieties of perennial and annual plants in our greenhouse plant at Western Springs, Ill., to select for this offer ten varieties which would probably be new to most of our

customers. He selected from the complete list, which is found elsewhere in this catalog, the ten described below. "I consider these improved varieties to possess exceptional merit for the outdoor garden," said Mr. Kohlenberg.

One each of the ten varieties described below, shipped by express at buyer's expense for \$3.00.

**ANEMONE Hupehensis.** A beautiful species of Japanese Anemone, hardier and earlier blooming. Prefers partial shade, moisture, and a sandy, well drained soil. Bright pink, blooms in abundance from mid-September until frost. Three for \$1.00; doz., \$3.50; 100, \$25.00.

**ANTHEMIS TINCTORIA—Perry's Variety.** A great improvement over the old variety. Large lemon yellow daisies 2 feet tall, in bloom all summer. Three for \$1.00; doz., \$3.50; 100, \$20.00.

**HARDY ASTER—Amellus Gloria Compacta.** Distinguished by a longer blooming season and much dwarfer habit than the Michaelmas Daisies. One and one-half feet tall, entirely covered with mauve-pink blooms. Good for perennial border or rock garden. Three for \$1.00; doz., \$3.50; 100, \$20.00.

**HARDY ASTER—October Dawn.** A semi-dwarf, bushy type. Large lilac-mauve, flowers in profusion in autumn. Three for \$1.00; doz., \$3.50; 100, \$20.00.

**HARDY ASTER—Sunset.** Similar to October Dawn, with showy pale pink blooms. Three for \$1.00; doz., \$3.50; 100, \$20.00.

**CHRYSANTHEMUM—Shasta Alaska Supreme.** An improved Shasta Daisy with immense blooms. The foliage is very compact and the flowers are of medium height with stiff stems. Three for \$1.00; doz., \$3.50; 100, \$20.00.

**SAXIFRAGA—Cordifolia.** A fine plant for shady rock gardens or borders. Neat clusters of leaves, hyacinth-like pink flowers in May. 2-year plants. Three for \$1.00; doz., \$3.50; 100, \$20.00.

**SEDUM Acre Elegans.** An improved variety. Green mossy foliage with the newest growth showing yellow, appearing to be constantly in bloom. Three for \$1.00; doz., \$3.50; 100, \$20.00.

**TRADESCANTIA Virginiana Heavenly Blue.** A new hybrid variety with large sky blue flowers all summer. Compact grower rarely exceeding 2 feet. Three for \$1.00; doz., \$3.50; 100, \$20.00.

**VIOLET—Double Russian.** The purple sweet smelling double hardy violet. Prefers shade and moisture. Three for \$1.00; doz., \$3.50; 100, \$20.00.



# VAUGHAN'S SEED STORE

S 33

47-49 Barclay Street, NEW YORK

601 West Jackson Blvd., CHICAGO

NAME..... Date..... 19.....  
Write very plainly

Post Office..... State.....

Street, P. O. Box  
or Rural Delivery.....

Express or  
Freight Office { If different }  
                    { from P. O. }

Forward Goods by.....  
(Parcel Post, Express, Freight or Boat)

## AMOUNT ENCLOSED

(SEND NO CASH OR  
CURRENCY UNLESS  
REGISTERED)

Money Order \$.....  
Draft or Check \$.....  
Postage Stamps \$.....  
Cash - - - \$.....

See Page 108 for our SPECIAL PREPAID OFFER,  
also Table of PARCEL POST RATES  
to different zones.

Make Money Orders or Checks  
Payable to Vaughan's Seed Store

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

We do not warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to the above conditions we make this sale at the moderate prices we charge.

N. B. Examine seeds closely, test if desired, write us if anything is wrong and we will adjust.

VAUGHAN'S SEED STORE (Incorporated).

QUANTITY  Do not Abbreviate	NAME OR CATALOG NUMBER OF ARTICLE  Where Catalog gives a Number, Please order by it	WEIGHT	PRICE	
		For Parcel Post Only	Dols.	Cts.

**A PREMIUM FOR EARLY ORDERS**—For every cash mail order for vegetable seeds, flower seeds, lawn seeds and bulbs, amounting to \$2.00 or more, received on this blank before March 1, 1933, we will send as a premium to reward foresight, gladiolus bulbs, our selection of the better named varieties, to the value of 10 per cent of the order. Premium bulbs will be mailed after March 1. No premium on orders received after March 1, 1933.

**Substitutes** You may substitute the next best of any variety you cannot supply  
Please do not substitute without first notifying me.....  
(Please mark a cross (X) in one of the above spaces.)



(Order Flower Seeds by numbers only)

Carried Forward,

lbs.

\$

If by mail, and PREPAID OFFER on page 108 does not apply, add postage for your Zone.

(OVER)



[illegible]

Filled by..... Checked by..... Packed by.....





Von Hochberg 3 for \$1.50



Bridesmaid 3 for 85c



Obergartner Wittig 3 for \$1.25



Thor 3 for 65c



Carrie 3 for 85c



A. Barham 3 for 85c



Eden 3 for 85c



Yellow Normandy 3 for 85c



Cranfordia White 3 for 85c



Rodell 3 for 85c



Murillo 3 for 85c



Firefly 3 for 85c

## Perennial Phlox Collection

Four varieties of brilliant color, perfectly hardy and of lusty growth. Von Hochberg is an outstanding blood red. Bridesmaid, a paper white with red center. Obergartner Wittig has large heads of lilac rose blooms, and Thor is a tall deep salmon pink with enormous flower heads.

**Perennial Phlox Collection No. P10—4 Plants  
Postpaid, to 5th Zone, \$1.25**

Contains one each of the four phloxes illustrated above.

**For Descriptions and Prices of Other Phlox see Index.**

## Early Flowering Garden Chrysanthemums

The Large Flowering Hardy Chrysanthemums illustrated, commence blooming in September and continue until severe freezing weather. They make a wonderful display when all other flowers are gone. Rodell is a button pompon type but the others have blooms measuring 2½ inch diameter. We advise planting between April 10th and May 15 and protecting with leaves or straw in late fall. To make bushy plants with many blooms, tops should be pinched off when they are 12 inches high.

**Early Flowering, Chrysanthemum Collection  
No. C1—8 Plants Postpaid, to 5th Zone, \$1.65**

Contains one each of the eight Chrysanthemums illustrated.

**For Complete Descriptions and Other Varieties Please  
Refer to Index.**





Mrs.  
Frances L.  
Karcher  
Ea. \$2.00  
Doz. \$20.00



Dearborn  
Ea. \$2.00  
Doz. \$20.00



Blue  
Royale  
Each,  
\$5.00  
Doz. \$50.00



Tawny  
Ea. \$1.00  
Doz. \$10.00



Pompadour  
Ea. \$3.00  
Doz. \$30.00



Rosa Raisa  
Ea. \$2.00  
Doz. \$20.00



Cadillac  
Ea. \$ 1.00  
Doz. 10.00



Edith  
Mason  
Ea. \$0.20  
Doz. 2.00  
100, 15.00

### VAUGHAN'S BLUE RIBBON VARIETIES.

The sixteen varieties of gladioli illustrated on this page are unchallenged as leaders in their respective color classes and constitute a collection which will insure the owner blue ribbons at the flower shows and a garden display of the first rank. Prices have been sharply reduced, making it possible to own these leaders for an investment which would formerly have been sufficient only for varieties of far less merit. The purchase of these bulbs is truly an investment because of the value which the increase will contribute each year.

60-A. One bulb each of the ten varieties illustrated in the top and middle rows of this page (10 bulbs), prepaid for **\$15.00**

60-B. One bulb each of the six varieties illustrated on the bottom rows of this page (6 bulbs, prepaid for **\$0.80**

Two bulbs each of above (12 bulbs) prepaid for **1.50**

Three bulbs each of above (18 bulbs) prepaid for **2.25**

Six bulbs each of above (36 bulbs), prepaid for **4.25**

Twelve bulbs each of above (72 bulbs), prepaid for **8.00**



W. H.  
Phipps  
Ea. \$0.10  
Doz. .75  
100, 5.00



Golden  
Measure  
Ea. \$0.10  
Doz. 1.00  
100, 7.00



Kalamazoo  
Ea. \$ 0.20  
Doz. 2.00  
100, 15.00



Pfizer's  
Triumph  
Ea. \$ 0.20  
Doz. 2.00  
100, 15.00



Minuet  
Ea. \$ 0.20  
Doz. 2.00  
100, 15.00



Dr.  
Bennett  
Ea. \$ 0.10  
Doz. 1.00  
100, 7.00



Vaughan  
White  
Ea. \$ 0.15  
Doz. 1.50  
100, 10.00



Mrs. L.  
Douglas  
Ea. \$0.10  
Doz. 1.00  
100, 6.00